

Anuario 2004 del Instituto Copérnico

Efemérides Astronómicas para el año 2004 - Astronomical Ephemerids for year 2004

Rama Caída (long: +68°21' 45" W - lat: -34°42' 33")

Calendario /
Calendar

Fases de la Luna / Moon
phases

Sol, Luna, Crepúsculo/ Sun,
Moon, Twilight

Calendario en HLA (TU-3hs) / Calendar in TU - 3 hs

| Fecha/Date | Hora/Time | Evento | Event |
|------------|-----------|---|---|
| 07/01/04 | 12h40m | Luna llena | Full Moon |
| 15/01/04 | 1h47m | Cuarto menguante | Last quarter |
| 17/01/04 | 6h | Mercurio en máxima elongación oeste: 23,91° | Mercury in greatest western elongation : 23.91° |
| 21/01/04 | 18h 6m | Luna nueva | New Moon |
| 29/01/04 | 3h 5m | Cuarto creciente | First quarter |
| 02/02/04 | 6h | Neptuno en conjunción con el Sol | Neptune in conjunction with the Sun |
| 06/02/04 | 5h49m | Luna llena | Full Moon |
| 13/02/04 | 10h41m | Cuarto menguante | Last quarter |
| 20/02/04 | 6h19m | Luna nueva | New Moon |
| 21/02/04 | 23h | Urano en conjunción con el Sol | Uranus in conjunction with the Sun |
| 28/02/04 | 0h25m | Cuarto creciente | First quarter |
| 03/03/04 | 22h | Mercurio en conjunción superior con el Sol | Mercury in superior conjunction with the Sun |
| 04/03/04 | 2h | Júpiter en oposición | Jupiter in opposition with the Sun |
| 06/03/04 | 20h17m | Luna llena | Full Moon |
| 13/03/04 | 18h 2m | Cuarto menguante | Last quarter |
| 20/03/04 | 3h49m51s | Equinoccio de Otoño (Sur) / Primavera (Norte) | Fall (South) / Spring (North) equinox |
| 20/03/04 | 19h43m | Luna nueva | New Moon |
| 28/03/04 | 20h49m | Cuarto creciente | First quarter |
| 29/03/04 | 9h | Mercurio en máxima elongación este: 18,88° | Mercury in greatest eastern elongation : 18.88° |
| 29/03/04 | 12h | Venus en máxima elongación este: 46° | Venus in greatest eastern elongation : 46° |
| 05/04/04 | 8h 4m | Luna llena | Full Moon |
| 12/04/04 | 0h47m | Cuarto menguante | Last quarter |
| 16/04/04 | 22h | Mercurio en conjunción inferior con el Sol | Mercury in inferior conjunction with the Sun |
| 19/04/04 | 10h23m | Luna nueva | New Moon |
| 19/04/04 | 10h35m | Eclipse parcial de Sol, magnitud máxima = 0,737 | Partial solar eclipse, greatest magnitude = 0.736 |
| 27/04/04 | 14h34m | Cuarto creciente | First quarter |
| 04/05/04 | 17h32m | Eclipse total de Luna, magnitud = 1,30 | Total lunar eclipse, magnitude = 1.30 |
| 04/05/04 | 17h34m | Luna llena | Full Moon |
| 11/05/04 | 8h 5m | Cuarto menguante | Last quarter |
| 14/05/04 | 18h | Mercurio en máxima elongación oeste: 25,99° | Mercury in greatest western elongation : 25.99° |
| 19/05/04 | 1h53m | Luna nueva | New Moon |
| 27/05/04 | 4h58m | Cuarto creciente | First quarter |
| 03/06/04 | 1h20m | Luna llena | Full Moon |
| 08/06/04 | 6h | Venus en conjunción inferior con el Sol | Venus in inferior conjunction with the Sun |
| 09/06/04 | 17h 4m | Cuarto menguante | Last quarter |
| 17/06/04 | 17h28m | Luna nueva | New Moon |
| 18/06/04 | 18h | Mercurio en conjunción superior con el Sol | Mercury in superior conjunction with the Sun |
| 20/06/04 | 21h57m54s | Solsticio de Invierno (Sur) / Verano (Norte) | Winter (South) / Summer (North) solstice |
| 25/06/04 | 16h 9m | Cuarto creciente | First quarter |
| 02/07/04 | 8h11m | Luna llena | Full Moon |
| 08/07/04 | 14h | Saturno en conjunción con el Sol | Saturn in conjunction with the Sun |
| 09/07/04 | 4h35m | Cuarto menguante | Last quarter |
| 17/07/04 | 8h25m | Luna nueva | New Moon |
| 25/07/04 | 0h39m | Cuarto creciente | First quarter |
| 27/07/04 | 0h | Mercurio en máxima elongación este: 27,11° | Mercury in greatest eastern elongation : 27.11° |
| 31/07/04 | 15h 8m | Luna llena | Full Moon |
| 05/08/04 | 23h | Neptuno en oposición | Neptune in opposition with the Sun |
| 07/08/04 | 19h 3m | Cuarto menguante | Last quarter |
| 15/08/04 | 22h25m | Luna nueva | New Moon |
| 17/08/04 | 15h | Venus en máxima elongación oeste: 45,81° | Venus in greatest western elongation : 45.81° |

| Fecha/Date | Hora/Time | Evento | Event |
|------------|-----------|--|--|
| 23/08/04 | 7h13m | Cuarto creciente | First quarter |
| 23/08/04 | 18h | Mercurio en conjunción inferior con el Sol | Mercury in inferior conjunction with the Sun |
| 27/08/04 | 16h | Urano en oposición | Uranus in opposition with the Sun |
| 29/08/04 | 23h23m | Luna llena | Full Moon |
| 06/09/04 | 12h12m | Cuarto menguante | Last quarter |
| 09/09/04 | 11h | Mercurio en máxima elongación oeste: 17,96° | Mercury in greatest western elongation : 17.96° |
| 14/09/04 | 11h30m | Luna nueva | New Moon |
| 15/09/04 | 9h | Marte en conjunción con el Sol | Mars in conjunction with the Sun |
| 21/09/04 | 12h55m | Cuarto creciente | First quarter |
| 21/09/04 | 21h | Júpiter en conjunción con el Sol | Jupiter in conjunction with the Sun |
| 22/09/04 | 13h31m 5s | Equinoccio de Primavera (Sur) / Otoño (Norte) | Spring (South) / Fall (North) equinox |
| 28/09/04 | 10h 9m | Luna llena | Full Moon |
| 05/10/04 | 15h | Mercurio en conjunción superior con el Sol | Mercury in superior conjunction with the Sun |
| 06/10/04 | 7h13m | Cuarto menguante | Last quarter |
| 13/10/04 | 23h50m | Luna nueva | New Moon |
| 14/10/04 | 0h 1m | Eclipse parcial de Sol, magnitud máxima = 0,9256 | Partial solar eclipse, greatest magnitude = 0.9256 |
| 20/10/04 | 19h 0m | Cuarto creciente | First quarter |
| 28/10/04 | 0h 4m | Eclipse total de Luna, magnitud = 1,30 | Total lunar eclipse, magnitude = 1.30 |
| 28/10/04 | 0h 9m | Luna llena | Full Moon |
| 05/11/04 | 2h55m | Cuarto menguante | Last quarter |
| 12/11/04 | 11h28m | Luna nueva | New Moon |
| 19/11/04 | 2h52m | Cuarto creciente | First quarter |
| 20/11/04 | 22h | Mercurio en máxima elongación este: 22,18° | Mercury in greatest eastern elongation : 22.18° |
| 26/11/04 | 17h10m | Luna llena | Full Moon |
| 04/12/04 | 21h54m | Cuarto menguante | Last quarter |
| 10/12/04 | 5h | Mercurio en conjunción inferior con el Sol | Mercury in inferior conjunction with the Sun |
| 11/12/04 | 22h30m | Luna nueva | New Moon |
| 18/12/04 | 13h41m | Cuarto creciente | First quarter |
| 21/12/04 | 9h42m51s | Solsticio de Verano (Sur) / Invierno (Norte) | Summer (South) / Winter (North) solstice |
| 26/12/04 | 12h 8m | Luna llena | Full Moon |
| 29/12/04 | 17h | Mercurio en máxima elongación oeste: 22,44° | Mercury in greatest western elongation : 22.44° |

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Fases de la Luna en HLA (TU-3hs) / Moon phases (in UT-3hs)

| Fase/Phase | Mes/Month | Día/Day | Hora/Time |
|--------------------------------|-----------|---------|-----------|
| Luna llena/Full Moon | Ene/Jan | 07 | 12h40m |
| Cuarto menguante/Last quarter | Ene/Jan | 15 | 1h47m |
| Luna nueva/New Moon | Ene/Jan | 21 | 18h 6m |
| Cuarto creciente/First quarter | Ene/Jan | 29 | 3h 5m |
| Luna llena/Full Moon | Feb/Feb | 06 | 5h49m |
| Cuarto menguante/Last quarter | Feb/Feb | 13 | 10h41m |
| Luna nueva/New Moon | Feb/Feb | 20 | 6h19m |
| Cuarto creciente/First quarter | Feb/Feb | 28 | 0h25m |
| Luna llena/Full Moon | Mar/Mar | 06 | 20h17m |
| Cuarto menguante/Last quarter | Mar/Mar | 13 | 18h 2m |
| Luna nueva/New Moon | Mar/Mar | 20 | 19h43m |
| Cuarto creciente/First quarter | Mar/Mar | 28 | 20h49m |
| Luna llena/Full Moon | Abr/Apr | 05 | 8h 4m |
| Cuarto menguante/Last quarter | Abr/Apr | 12 | 0h47m |
| Luna nueva/New Moon | Abr/Apr | 19 | 10h23m |
| Cuarto creciente/First quarter | Abr/Apr | 27 | 14h34m |
| Luna llena/Full Moon | May/May | 04 | 17h34m |
| Cuarto menguante/Last quarter | May/May | 11 | 8h 5m |
| Luna nueva/New Moon | May/May | 19 | 1h53m |
| Cuarto creciente/First quarter | May/May | 27 | 4h58m |
| Luna llena/Full Moon | Jun/Jun | 03 | 1h20m |
| Cuarto menguante/Last quarter | Jun/Jun | 09 | 17h 4m |
| Luna nueva/New Moon | Jun/Jun | 17 | 17h28m |
| Cuarto creciente/First quarter | Jun/Jun | 25 | 16h 9m |
| Luna llena/Full Moon | Jul/Jul | 02 | 8h11m |
| Cuarto menguante/Last quarter | Jul/Jul | 09 | 4h35m |
| Luna nueva/New Moon | Jul/Jul | 17 | 8h25m |
| Cuarto creciente/First quarter | Jul/Jul | 25 | 0h39m |
| Luna llena/Full Moon | Jul/Jul | 31 | 15h 8m |
| Cuarto menguante/Last quarter | Ago/Aug | 07 | 19h 3m |
| Luna nueva/New Moon | Ago/Aug | 15 | 22h25m |
| Cuarto creciente/First quarter | Ago/Aug | 23 | 7h13m |
| Luna llena/Full Moon | Ago/Aug | 29 | 23h23m |
| Cuarto menguante/Last quarter | Sep/Sep | 06 | 12h12m |
| Luna nueva/New Moon | Sep/Sep | 14 | 11h30m |
| Cuarto creciente/First quarter | Sep/Sep | 21 | 12h55m |
| Luna llena/Full Moon | Sep/Sep | 28 | 10h 9m |
| Cuarto menguante/Last quarter | Oct/Oct | 06 | 7h13m |
| Luna nueva/New Moon | Oct/Oct | 13 | 23h50m |
| Cuarto creciente/First quarter | Oct/Oct | 20 | 19h 0m |
| Luna llena/Full Moon | Oct/Oct | 28 | 0h 9m |

| | | | |
|--------------------------------|---------|----|--------|
| Cuarto menguante/Last quarter | Nov/Nov | 05 | 2h55m |
| Luna nueva/New Moon | Nov/Nov | 12 | 11h28m |
| Cuarto creciente/First quarter | Nov/Nov | 19 | 2h52m |
| Luna llena/Full Moon | Nov/Nov | 26 | 17h10m |
| Cuarto menguante/Last quarter | Dic/Dec | 04 | 21h54m |
| Luna nueva/New Moon | Dic/Dec | 11 | 22h30m |
| Cuarto creciente/First quarter | Dic/Dec | 18 | 13h41m |
| Luna llena/Full Moon | Dic/Dec | 26 | 12h 8m |

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Sol, Luna, Crepúsculo para / Sun, Moon, Twilight for

Rama Caída (long: +68°21' 45" W - lat: -34°42' 33")

Enero, Febrero, Marzo, Abril, Mayo, Junio, Julio, Agosto, Septiembre, Octubre, Noviembre, Diciembre

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Enero

| Fecha | Día | Día Juliano (a las 09:00) | Sol Salida | Sol Puesta | Crepúsculo Comienzo | Crepúsculo Fin | Luna Salida | Luna Puesta | Luna Fase (%) |
|-------|-----------|------------------------------|---------------|---------------|------------------------|-------------------|----------------|----------------|------------------|
| 1 | Jueves | 2453006 | 06:23 | 20:50 | 04:41 | 22:35 | 15:40 | 02:22 | 70 |
| 2 | Viernes | 2453007 | 06:24 | 20:50 | 04:42 | 22:35 | 16:38 | 02:49 | 79 |
| 3 | Sábado | 2453008 | 06:25 | 20:50 | 04:43 | 22:35 | 17:36 | 03:19 | 86 |
| 4 | Domingo | 2453009 | 06:25 | 20:50 | 04:44 | 22:35 | 18:34 | 03:53 | 92 |
| 5 | Lunes | 2453010 | 06:26 | 20:50 | 04:45 | 22:35 | 19:31 | 04:32 | 96 |
| 6 | Martes | 2453011 | 06:27 | 20:50 | 04:46 | 22:34 | 20:25 | 05:18 | 99 |
| 7 | Miércoles | 2453012 | 06:28 | 20:50 | 04:47 | 22:34 | 21:15 | 06:10 | 100 |
| 8 | Jueves | 2453013 | 06:29 | 20:50 | 04:48 | 22:34 | 21:58 | 07:07 | 99 |
| 9 | Viernes | 2453014 | 06:30 | 20:50 | 04:49 | 22:33 | 22:37 | 08:08 | 96 |
| 10 | Sábado | 2453015 | 06:31 | 20:50 | 04:50 | 22:33 | 23:10 | 09:11 | 91 |
| 11 | Domingo | 2453016 | 06:32 | 20:50 | 04:52 | 22:33 | 23:40 | 10:14 | 85 |
| 12 | Lunes | 2453017 | 06:32 | 20:50 | 04:53 | 22:32 | --- | 11:16 | 77 |
| 13 | Martes | 2453018 | 06:33 | 20:50 | 04:54 | 22:32 | 00:09 | 12:19 | 67 |
| 14 | Miércoles | 2453019 | 06:34 | 20:49 | 04:55 | 22:31 | 00:36 | 13:24 | 56 |
| 15 | Jueves | 2453020 | 06:35 | 20:49 | 04:57 | 22:31 | 01:04 | 14:30 | 45 |
| 16 | Viernes | 2453021 | 06:36 | 20:49 | 04:58 | 22:30 | 01:35 | 15:40 | 34 |
| 17 | Sábado | 2453022 | 06:37 | 20:48 | 04:59 | 22:29 | 02:10 | 16:52 | 24 |
| 18 | Domingo | 2453023 | 06:38 | 20:48 | 05:01 | 22:29 | 02:53 | 18:06 | 14 |
| 19 | Lunes | 2453024 | 06:39 | 20:48 | 05:02 | 22:28 | 03:44 | 19:17 | 7 |
| 20 | Martes | 2453025 | 06:40 | 20:47 | 05:03 | 22:27 | 04:46 | 20:21 | 2 |
| 21 | Miércoles | 2453026 | 06:41 | 20:47 | 05:05 | 22:26 | 05:55 | 21:15 | 0 |
| 22 | Jueves | 2453027 | 06:42 | 20:46 | 05:06 | 22:25 | 07:08 | 21:59 | 1 |
| 23 | Viernes | 2453028 | 06:43 | 20:46 | 05:08 | 22:25 | 08:20 | 22:35 | 4 |
| 24 | Sábado | 2453029 | 06:44 | 20:45 | 05:09 | 22:24 | 09:29 | 23:06 | 10 |
| 25 | Domingo | 2453030 | 06:45 | 20:45 | 05:10 | 22:23 | 10:33 | 23:33 | 17 |
| 26 | Lunes | 2453031 | 06:46 | 20:44 | 05:12 | 22:22 | 11:34 | --- | 25 |
| 27 | Martes | 2453032 | 06:47 | 20:44 | 05:13 | 22:21 | 12:33 | 00:00 | 34 |
| 28 | Miércoles | 2453033 | 06:48 | 20:43 | 05:14 | 22:20 | 13:31 | 00:24 | 44 |
| 29 | Jueves | 2453034 | 06:49 | 20:42 | 05:15 | 22:19 | 14:28 | 00:50 | 53 |
| 30 | Viernes | 2453035 | 06:50 | 20:42 | 05:17 | 22:18 | 15:26 | 01:19 | 63 |
| 31 | Sábado | 2453036 | 06:51 | 20:41 | 05:18 | 22:17 | 16:25 | 01:51 | 72 |

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Febrero

| Fecha | Día | Día Juliano (a las 09:00) | Sol Salida | Sol Puesta | Crepúsculo Comienzo | Crepúsculo Fin | Luna Salida | Luna Puesta | Luna Fase (%) |
|-------|-----------|------------------------------|---------------|---------------|------------------------|-------------------|----------------|----------------|------------------|
| 1 | Domingo | 2453037 | 06:52 | 20:40 | 05:20 | 22:16 | 17:22 | 02:28 | 80 |
| 2 | Lunes | 2453038 | 06:54 | 20:39 | 05:21 | 22:15 | 18:17 | 03:11 | 87 |
| 3 | Martes | 2453039 | 06:55 | 20:39 | 05:22 | 22:13 | 19:09 | 04:01 | 93 |
| 4 | Miércoles | 2453040 | 06:56 | 20:38 | 05:24 | 22:12 | 19:55 | 04:57 | 97 |
| 5 | Jueves | 2453041 | 06:57 | 20:37 | 05:25 | 22:11 | 20:36 | 05:57 | 99 |
| 6 | Viernes | 2453042 | 06:58 | 20:36 | 05:27 | 22:10 | 21:11 | 07:00 | 100 |
| 7 | Sábado | 2453043 | 06:59 | 20:35 | 05:28 | 22:09 | 21:43 | 08:04 | 98 |
| 8 | Domingo | 2453044 | 07:00 | 20:34 | 05:29 | 22:07 | 22:12 | 09:08 | 94 |
| 9 | Lunes | 2453045 | 07:01 | 20:33 | 05:31 | 22:06 | 22:40 | 10:12 | 89 |
| 10 | Martes | 2453046 | 07:02 | 20:32 | 05:32 | 22:05 | 23:08 | 11:17 | 81 |
| 11 | Miércoles | 2453047 | 07:03 | 20:31 | 05:33 | 22:03 | 23:37 | 12:22 | 71 |
| 12 | Jueves | 2453048 | 07:04 | 20:30 | 05:35 | 22:02 | --- | 13:30 | 61 |
| 13 | Viernes | 2453049 | 07:05 | 20:29 | 05:36 | 22:01 | 00:10 | 14:41 | 49 |
| 14 | Sábado | 2453050 | 07:06 | 20:28 | 05:37 | 21:59 | 00:49 | 15:52 | 38 |
| 15 | Domingo | 2453051 | 07:07 | 20:27 | 05:39 | 21:58 | 01:36 | 17:02 | 27 |
| 16 | Lunes | 2453052 | 07:08 | 20:26 | 05:40 | 21:56 | 02:31 | 18:07 | 18 |
| 17 | Martes | 2453053 | 07:09 | 20:25 | 05:41 | 21:55 | 03:36 | 19:04 | 10 |
| 18 | Miércoles | 2453054 | 07:09 | 20:24 | 05:42 | 21:54 | 04:46 | 19:51 | 4 |
| 19 | Jueves | 2453055 | 07:10 | 20:23 | 05:44 | 21:52 | 05:58 | 20:30 | 1 |
| 20 | Viernes | 2453056 | 07:11 | 20:22 | 05:45 | 21:51 | 07:08 | 21:03 | 0 |
| 21 | Sábado | 2453057 | 07:12 | 20:20 | 05:46 | 21:49 | 08:14 | 21:32 | 2 |
| 22 | Domingo | 2453058 | 07:13 | 20:19 | 05:47 | 21:48 | 09:18 | 21:58 | 6 |
| 23 | Lunes | 2453059 | 07:14 | 20:18 | 05:49 | 21:46 | 10:19 | 22:24 | 12 |
| 24 | Martes | 2453060 | 07:15 | 20:17 | 05:50 | 21:45 | 11:18 | 22:50 | 19 |
| 25 | Miércoles | 2453061 | 07:16 | 20:16 | 05:51 | 21:43 | 12:17 | 23:18 | 27 |
| 26 | Jueves | 2453062 | 07:17 | 20:14 | 05:52 | 21:42 | 13:15 | 23:49 | 36 |
| 27 | Viernes | 2453063 | 07:18 | 20:13 | 05:53 | 21:40 | 14:14 | --- | 45 |
| 28 | Sábado | 2453064 | 07:19 | 20:12 | 05:54 | 21:39 | 15:12 | 00:24 | 55 |

29 Domingo 2453065 07:20 20:11 05:55 21:38 16:08 01:05 64

Volver a Sol... / Return to Sun...

Marzo

| Fecha | Día | Día Juliano (a las 09:00) | Sol Salida | Sol Puesta | Crepúsculo Comienzo | Crepúsculo Fin | Luna Salida | Luna Puesta | Luna Fase (%) |
|-------|-----------|------------------------------|---------------|---------------|------------------------|-------------------|----------------|----------------|------------------|
| 1 | Lunes | 2453066 | 07:21 | 20:09 | 05:56 | 21:36 | 17:00 | 01:51 | 73 |
| 2 | Martes | 2453067 | 07:21 | 20:08 | 05:57 | 21:35 | 17:48 | 02:44 | 81 |
| 3 | Miércoles | 2453068 | 07:22 | 20:07 | 05:58 | 21:33 | 18:31 | 03:43 | 88 |
| 4 | Jueves | 2453069 | 07:23 | 20:05 | 05:59 | 21:32 | 19:08 | 04:45 | 94 |
| 5 | Viernes | 2453070 | 07:24 | 20:04 | 06:01 | 21:30 | 19:42 | 05:49 | 98 |
| 6 | Sábado | 2453071 | 07:25 | 20:03 | 06:02 | 21:29 | 20:12 | 06:54 | 100 |
| 7 | Domingo | 2453072 | 07:26 | 20:01 | 06:03 | 21:27 | 20:41 | 07:59 | 100 |
| 8 | Lunes | 2453073 | 07:27 | 20:00 | 06:04 | 21:26 | 21:09 | 09:05 | 97 |
| 9 | Martes | 2453074 | 07:27 | 19:59 | 06:05 | 21:24 | 21:39 | 10:12 | 91 |
| 10 | Miércoles | 2453075 | 07:28 | 19:57 | 06:06 | 21:23 | 22:12 | 11:21 | 84 |
| 11 | Jueves | 2453076 | 07:29 | 19:56 | 06:07 | 21:21 | 22:49 | 12:32 | 75 |
| 12 | Viernes | 2453077 | 07:30 | 19:55 | 06:08 | 21:19 | 23:33 | 13:44 | 64 |
| 13 | Sábado | 2453078 | 07:31 | 19:53 | 06:09 | 21:18 | --- | 14:55 | 53 |
| 14 | Domingo | 2453079 | 07:32 | 19:52 | 06:10 | 21:16 | 00:25 | 16:00 | 41 |
| 15 | Lunes | 2453080 | 07:32 | 19:51 | 06:10 | 21:15 | 01:26 | 16:58 | 31 |
| 16 | Martes | 2453081 | 07:33 | 19:49 | 06:11 | 21:13 | 02:33 | 17:47 | 21 |
| 17 | Miércoles | 2453082 | 07:34 | 19:48 | 06:12 | 21:12 | 03:42 | 18:27 | 12 |
| 18 | Jueves | 2453083 | 07:35 | 19:46 | 06:13 | 21:10 | 04:52 | 19:02 | 6 |
| 19 | Viernes | 2453084 | 07:36 | 19:45 | 06:14 | 21:09 | 05:58 | 19:31 | 2 |
| 20 | Sábado | 2453085 | 07:36 | 19:44 | 06:15 | 21:08 | 07:02 | 19:59 | 0 |
| 21 | Domingo | 2453086 | 07:37 | 19:42 | 06:16 | 21:06 | 08:04 | 20:24 | 0 |
| 22 | Lunes | 2453087 | 07:38 | 19:41 | 06:17 | 21:05 | 09:04 | 20:50 | 3 |
| 23 | Martes | 2453088 | 07:39 | 19:39 | 06:18 | 21:03 | 10:04 | 21:18 | 7 |
| 24 | Miércoles | 2453089 | 07:40 | 19:38 | 06:18 | 21:02 | 11:03 | 21:47 | 13 |
| 25 | Jueves | 2453090 | 07:40 | 19:37 | 06:19 | 21:00 | 12:02 | 22:21 | 20 |
| 26 | Viernes | 2453091 | 07:41 | 19:35 | 06:20 | 20:59 | 13:01 | 22:59 | 28 |
| 27 | Sábado | 2453092 | 07:42 | 19:34 | 06:21 | 20:57 | 13:58 | 23:43 | 37 |
| 28 | Domingo | 2453093 | 07:43 | 19:33 | 06:22 | 20:56 | 14:52 | --- | 47 |
| 29 | Lunes | 2453094 | 07:44 | 19:31 | 06:22 | 20:55 | 15:41 | 00:34 | 56 |
| 30 | Martes | 2453095 | 07:44 | 19:30 | 06:23 | 20:53 | 16:25 | 01:29 | 66 |
| 31 | Miércoles | 2453096 | 07:45 | 19:28 | 06:24 | 20:52 | 17:04 | 02:29 | 75 |

Volver a Sol... / Return to Sun...

Abril

| Fecha | Día | Día Juliano (a las 09:00) | Sol Salida | Sol Puesta | Crepúsculo Comienzo | Crepúsculo Fin | Luna Salida | Luna Puesta | Luna Fase (%) |
|-------|-----------|------------------------------|---------------|---------------|------------------------|-------------------|----------------|----------------|------------------|
| 1 | Jueves | 2453097 | 07:46 | 19:27 | 06:25 | 20:50 | 17:39 | 03:32 | 83 |
| 2 | Viernes | 2453098 | 07:47 | 19:26 | 06:26 | 20:49 | 18:10 | 04:36 | 90 |
| 3 | Sábado | 2453099 | 07:47 | 19:24 | 06:26 | 20:48 | 18:39 | 05:41 | 96 |
| 4 | Domingo | 2453100 | 07:48 | 19:23 | 06:27 | 20:46 | 19:08 | 06:47 | 99 |
| 5 | Lunes | 2453101 | 07:49 | 19:22 | 06:28 | 20:45 | 19:37 | 07:54 | 100 |
| 6 | Martes | 2453102 | 07:50 | 19:20 | 06:29 | 20:44 | 20:09 | 09:04 | 98 |
| 7 | Miércoles | 2453103 | 07:51 | 19:19 | 06:29 | 20:42 | 20:46 | 10:17 | 94 |
| 8 | Jueves | 2453104 | 07:51 | 19:18 | 06:30 | 20:41 | 21:29 | 11:31 | 87 |
| 9 | Viernes | 2453105 | 07:52 | 19:16 | 06:31 | 20:40 | 22:20 | 12:45 | 78 |
| 10 | Sábado | 2453106 | 07:53 | 19:15 | 06:32 | 20:39 | 23:19 | 13:54 | 68 |
| 11 | Domingo | 2453107 | 07:54 | 19:14 | 06:32 | 20:37 | --- | 14:55 | 57 |
| 12 | Lunes | 2453108 | 07:54 | 19:12 | 06:33 | 20:36 | 00:25 | 15:46 | 45 |
| 13 | Martes | 2453109 | 07:55 | 19:11 | 06:34 | 20:35 | 01:34 | 16:28 | 34 |
| 14 | Miércoles | 2453110 | 07:56 | 19:10 | 06:34 | 20:34 | 02:43 | 17:03 | 24 |
| 15 | Jueves | 2453111 | 07:57 | 19:09 | 06:35 | 20:32 | 03:49 | 17:34 | 16 |
| 16 | Viernes | 2453112 | 07:58 | 19:07 | 06:36 | 20:31 | 04:52 | 18:01 | 9 |
| 17 | Sábado | 2453113 | 07:58 | 19:06 | 06:37 | 20:30 | 05:54 | 18:27 | 4 |
| 18 | Domingo | 2453114 | 07:59 | 19:05 | 06:37 | 20:29 | 06:54 | 18:52 | 1 |
| 19 | Lunes | 2453115 | 08:00 | 19:04 | 06:38 | 20:28 | 07:53 | 19:18 | 0 |
| 20 | Martes | 2453116 | 08:01 | 19:03 | 06:39 | 20:27 | 08:52 | 19:47 | 1 |
| 21 | Miércoles | 2453117 | 08:02 | 19:01 | 06:39 | 20:26 | 09:52 | 20:19 | 4 |
| 22 | Jueves | 2453118 | 08:02 | 19:00 | 06:40 | 20:25 | 10:51 | 20:56 | 8 |
| 23 | Viernes | 2453119 | 08:03 | 18:59 | 06:41 | 20:24 | 11:49 | 21:38 | 14 |
| 24 | Sábado | 2453120 | 08:04 | 18:58 | 06:41 | 20:22 | 12:45 | 22:26 | 22 |
| 25 | Domingo | 2453121 | 08:05 | 18:57 | 06:42 | 20:21 | 13:35 | 23:19 | 30 |
| 26 | Lunes | 2453122 | 08:05 | 18:56 | 06:43 | 20:20 | 14:21 | --- | 39 |
| 27 | Martes | 2453123 | 08:06 | 18:55 | 06:44 | 20:19 | 15:01 | 00:17 | 49 |
| 28 | Miércoles | 2453124 | 08:07 | 18:54 | 06:44 | 20:18 | 15:36 | 01:17 | 58 |
| 29 | Jueves | 2453125 | 08:08 | 18:52 | 06:45 | 20:17 | 16:08 | 02:19 | 68 |
| 30 | Viernes | 2453126 | 08:09 | 18:51 | 06:46 | 20:17 | 16:37 | 03:22 | 78 |

Volver a Sol... / Return to Sun...

Mayo

| Fecha | Día | Día Juliano (a las 09:00) | Sol Salida | Sol Puesta | Crepúsculo Comienzo | Crepúsculo Fin | Luna Salida | Luna Puesta | Luna Fase (%) |
|-------|-----------|------------------------------|---------------|---------------|------------------------|-------------------|----------------|----------------|------------------|
| 1 | Sábado | 2453127 | 08:09 | 18:50 | 06:46 | 20:16 | 17:05 | 04:26 | 86 |
| 2 | Domingo | 2453128 | 08:10 | 18:49 | 06:47 | 20:15 | 17:34 | 05:32 | 93 |
| 3 | Lunes | 2453129 | 08:11 | 18:48 | 06:48 | 20:14 | 18:04 | 06:41 | 98 |
| 4 | Martes | 2453130 | 08:12 | 18:47 | 06:48 | 20:13 | 18:39 | 07:53 | 100 |
| 5 | Miércoles | 2453131 | 08:12 | 18:47 | 06:49 | 20:12 | 19:20 | 09:08 | 99 |
| 6 | Jueves | 2453132 | 08:13 | 18:46 | 06:49 | 20:12 | 20:09 | 10:25 | 96 |
| 7 | Viernes | 2453133 | 08:14 | 18:45 | 06:50 | 20:11 | 21:07 | 11:40 | 89 |
| 8 | Sábado | 2453134 | 08:15 | 18:44 | 06:51 | 20:10 | 22:13 | 12:46 | 81 |
| 9 | Domingo | 2453135 | 08:16 | 18:43 | 06:51 | 20:09 | 23:24 | 13:43 | 71 |
| 10 | Lunes | 2453136 | 08:16 | 18:42 | 06:52 | 20:09 | --- | 14:28 | 60 |
| 11 | Martes | 2453137 | 08:17 | 18:41 | 06:53 | 20:08 | 00:34 | 15:06 | 49 |

| | | | | | | | | | |
|----|-----------|---------|-------|-------|-------|-------|-------|-------|----|
| 12 | Miércoles | 2453138 | 08:18 | 18:41 | 06:53 | 20:07 | 01:42 | 15:37 | 38 |
| 13 | Jueves | 2453139 | 08:19 | 18:40 | 06:54 | 20:07 | 02:46 | 16:05 | 28 |
| 14 | Viernes | 2453140 | 08:19 | 18:39 | 06:54 | 20:06 | 03:48 | 16:31 | 19 |
| 15 | Sábado | 2453141 | 08:20 | 18:38 | 06:55 | 20:05 | 04:47 | 16:56 | 12 |
| 16 | Domingo | 2453142 | 08:21 | 18:38 | 06:56 | 20:05 | 05:46 | 17:21 | 6 |
| 17 | Lunes | 2453143 | 08:22 | 18:37 | 06:56 | 20:04 | 06:44 | 17:49 | 2 |
| 18 | Martes | 2453144 | 08:22 | 18:36 | 06:57 | 20:04 | 07:43 | 18:19 | 0 |
| 19 | Miércoles | 2453145 | 08:23 | 18:36 | 06:57 | 20:03 | 08:43 | 18:54 | 0 |
| 20 | Jueves | 2453146 | 08:24 | 18:35 | 06:58 | 20:03 | 09:41 | 19:34 | 2 |
| 21 | Viernes | 2453147 | 08:25 | 18:35 | 06:59 | 20:02 | 10:38 | 20:20 | 5 |
| 22 | Sábado | 2453148 | 08:25 | 18:34 | 06:59 | 20:02 | 11:31 | 21:12 | 10 |
| 23 | Domingo | 2453149 | 08:26 | 18:33 | 07:00 | 20:02 | 12:18 | 22:08 | 16 |
| 24 | Lunes | 2453150 | 08:27 | 18:33 | 07:00 | 20:01 | 13:00 | 23:08 | 24 |
| 25 | Martes | 2453151 | 08:27 | 18:33 | 07:01 | 20:01 | 13:36 | --- | 33 |
| 26 | Miércoles | 2453152 | 08:28 | 18:32 | 07:02 | 20:00 | 14:08 | 00:08 | 42 |
| 27 | Jueves | 2453153 | 08:29 | 18:32 | 07:02 | 20:00 | 14:37 | 01:09 | 53 |
| 28 | Viernes | 2453154 | 08:29 | 18:31 | 07:03 | 20:00 | 15:04 | 02:11 | 63 |
| 29 | Sábado | 2453155 | 08:30 | 18:31 | 07:03 | 20:00 | 15:31 | 03:13 | 73 |
| 30 | Domingo | 2453156 | 08:31 | 18:31 | 07:04 | 19:59 | 16:00 | 04:19 | 82 |
| 31 | Lunes | 2453157 | 08:31 | 18:30 | 07:04 | 19:59 | 16:32 | 05:27 | 90 |

Volver a Sol... / Return to Sun...

Junio

| Fecha | Día | Día Juliano (a las 09:00) | Sol Salida | Sol Puesta | Crepúsculo Comienzo | Crepúsculo Fin | Luna Salida | Luna Puesta | Luna Fase (%) |
|-------|-----------|------------------------------|---------------|---------------|------------------------|-------------------|----------------|----------------|------------------|
| 1 | Martes | 2453158 | 08:32 | 18:30 | 07:05 | 19:59 | 17:09 | 06:40 | 96 |
| 2 | Miércoles | 2453159 | 08:32 | 18:30 | 07:05 | 19:59 | 17:53 | 07:57 | 99 |
| 3 | Jueves | 2453160 | 08:33 | 18:29 | 07:06 | 19:59 | 18:48 | 09:15 | 100 |
| 4 | Viernes | 2453161 | 08:33 | 18:29 | 07:06 | 19:59 | 19:53 | 10:28 | 97 |
| 5 | Sábado | 2453162 | 08:34 | 18:29 | 07:06 | 19:59 | 21:05 | 11:31 | 91 |
| 6 | Domingo | 2453163 | 08:35 | 18:29 | 07:07 | 19:58 | 22:19 | 12:23 | 83 |
| 7 | Lunes | 2453164 | 08:35 | 18:29 | 07:07 | 19:58 | 23:30 | 13:05 | 74 |
| 8 | Martes | 2453165 | 08:36 | 18:29 | 07:08 | 19:58 | --- | 13:39 | 64 |
| 9 | Miércoles | 2453166 | 08:36 | 18:29 | 07:08 | 19:58 | 00:38 | 14:09 | 53 |
| 10 | Jueves | 2453167 | 08:36 | 18:29 | 07:08 | 19:58 | 01:41 | 14:35 | 42 |
| 11 | Viernes | 2453168 | 08:37 | 18:29 | 07:09 | 19:58 | 02:41 | 15:00 | 32 |
| 12 | Sábado | 2453169 | 08:37 | 18:29 | 07:09 | 19:58 | 03:40 | 15:25 | 24 |
| 13 | Domingo | 2453170 | 08:38 | 18:29 | 07:10 | 19:59 | 04:38 | 15:52 | 16 |
| 14 | Lunes | 2453171 | 08:38 | 18:29 | 07:10 | 19:59 | 05:37 | 16:21 | 9 |
| 15 | Martes | 2453172 | 08:38 | 18:29 | 07:10 | 19:59 | 06:36 | 16:54 | 5 |
| 16 | Miércoles | 2453173 | 08:39 | 18:29 | 07:10 | 19:59 | 07:35 | 17:32 | 1 |
| 17 | Jueves | 2453174 | 08:39 | 18:29 | 07:11 | 19:59 | 08:32 | 18:17 | 0 |
| 18 | Viernes | 2453175 | 08:39 | 18:29 | 07:11 | 19:59 | 09:27 | 19:07 | 0 |
| 19 | Sábado | 2453176 | 08:40 | 18:29 | 07:11 | 19:59 | 10:16 | 20:02 | 3 |
| 20 | Domingo | 2453177 | 08:40 | 18:30 | 07:11 | 20:00 | 10:59 | 21:00 | 7 |
| 21 | Lunes | 2453178 | 08:40 | 18:30 | 07:12 | 20:00 | 11:37 | 22:00 | 12 |
| 22 | Martes | 2453179 | 08:40 | 18:30 | 07:12 | 20:00 | 12:10 | 23:01 | 19 |
| 23 | Miércoles | 2453180 | 08:40 | 18:30 | 07:12 | 20:00 | 12:39 | --- | 28 |
| 24 | Jueves | 2453181 | 08:41 | 18:31 | 07:12 | 20:01 | 13:07 | 00:02 | 37 |
| 25 | Viernes | 2453182 | 08:41 | 18:31 | 07:12 | 20:01 | 13:33 | 01:02 | 48 |
| 26 | Sábado | 2453183 | 08:41 | 18:31 | 07:12 | 20:01 | 13:59 | 02:04 | 58 |
| 27 | Domingo | 2453184 | 08:41 | 18:32 | 07:13 | 20:01 | 14:28 | 03:09 | 69 |
| 28 | Lunes | 2453185 | 08:41 | 18:32 | 07:13 | 20:02 | 15:01 | 04:18 | 79 |
| 29 | Martes | 2453186 | 08:41 | 18:32 | 07:13 | 20:02 | 15:41 | 05:30 | 88 |
| 30 | Miércoles | 2453187 | 08:41 | 18:33 | 07:13 | 20:03 | 16:29 | 06:46 | 95 |

Volver a Sol... / Return to Sun...

Julio

| Fecha | Día | Día Juliano (a las 09:00) | Sol Salida | Sol Puesta | Crepúsculo Comienzo | Crepúsculo Fin | Luna Salida | Luna Puesta | Luna Fase (%) |
|-------|-----------|------------------------------|---------------|---------------|------------------------|-------------------|----------------|----------------|------------------|
| 1 | Jueves | 2453188 | 08:41 | 18:33 | 07:13 | 20:03 | 17:29 | 08:02 | 99 |
| 2 | Viernes | 2453189 | 08:41 | 18:34 | 07:13 | 20:03 | 18:39 | 09:11 | 100 |
| 3 | Sábado | 2453190 | 08:41 | 18:34 | 07:13 | 20:04 | 19:55 | 10:10 | 98 |
| 4 | Domingo | 2453191 | 08:41 | 18:35 | 07:13 | 20:04 | 21:10 | 10:58 | 93 |
| 5 | Lunes | 2453192 | 08:40 | 18:35 | 07:12 | 20:05 | 22:21 | 11:37 | 86 |
| 6 | Martes | 2453193 | 08:40 | 18:36 | 07:12 | 20:05 | 23:29 | 12:09 | 78 |
| 7 | Miércoles | 2453194 | 08:40 | 18:36 | 07:12 | 20:05 | --- | 12:37 | 68 |
| 8 | Jueves | 2453195 | 08:40 | 18:37 | 07:12 | 20:06 | 00:32 | 13:03 | 58 |
| 9 | Viernes | 2453196 | 08:40 | 18:37 | 07:12 | 20:06 | 01:32 | 13:28 | 47 |
| 10 | Sábado | 2453197 | 08:39 | 18:38 | 07:12 | 20:07 | 02:32 | 13:55 | 38 |
| 11 | Domingo | 2453198 | 08:39 | 18:38 | 07:11 | 20:07 | 03:30 | 14:23 | 28 |
| 12 | Lunes | 2453199 | 08:39 | 18:39 | 07:11 | 20:08 | 04:29 | 14:55 | 20 |
| 13 | Martes | 2453200 | 08:38 | 18:39 | 07:11 | 20:08 | 05:28 | 15:31 | 13 |
| 14 | Miércoles | 2453201 | 08:38 | 18:40 | 07:11 | 20:09 | 06:26 | 16:13 | 7 |
| 15 | Jueves | 2453202 | 08:37 | 18:41 | 07:10 | 20:09 | 07:22 | 17:02 | 3 |
| 16 | Viernes | 2453203 | 08:37 | 18:41 | 07:10 | 20:10 | 08:13 | 17:56 | 1 |
| 17 | Sábado | 2453204 | 08:37 | 18:42 | 07:10 | 20:10 | 08:58 | 18:54 | 0 |
| 18 | Domingo | 2453205 | 08:36 | 18:43 | 07:09 | 20:11 | 09:38 | 19:54 | 1 |
| 19 | Lunes | 2453206 | 08:36 | 18:43 | 07:09 | 20:11 | 10:13 | 20:55 | 4 |
| 20 | Martes | 2453207 | 08:35 | 18:44 | 07:08 | 20:12 | 10:43 | 21:55 | 9 |
| 21 | Miércoles | 2453208 | 08:34 | 18:45 | 07:08 | 20:12 | 11:11 | 23:00 | 16 |
| 22 | Jueves | 2453209 | 08:34 | 18:45 | 07:07 | 20:13 | 11:37 | --- | 24 |
| 23 | Viernes | 2453210 | 08:33 | 18:46 | 07:07 | 20:14 | 12:03 | 00:00 | 33 |
| 24 | Sábado | 2453211 | 08:32 | 18:47 | 07:06 | 20:14 | 12:30 | 00:59 | 44 |
| 25 | Domingo | 2453212 | 08:32 | 18:47 | 07:06 | 20:15 | 13:00 | 02:05 | 55 |
| 26 | Lunes | 2453213 | 08:31 | 18:48 | 07:05 | 20:15 | 13:35 | 03:13 | 66 |
| 27 | Martes | 2453214 | 08:30 | 18:49 | 07:05 | 20:16 | 14:18 | 04:26 | 76 |
| 28 | Miércoles | 2453215 | 08:30 | 18:49 | 07:04 | 20:16 | 15:11 | 05:39 | 86 |
| 29 | Jueves | 2453216 | 08:29 | 18:50 | 07:03 | 20:17 | 16:14 | 06:50 | 93 |
| 30 | Viernes | 2453217 | 08:28 | 18:51 | 07:03 | 20:18 | 17:27 | 07:53 | 98 |
| 31 | Sábado | 2453218 | 08:27 | 18:52 | 07:02 | 20:18 | 18:43 | 08:46 | 100 |

Volver a Sol... / Return to Sun...

Agosto

| Fecha | Día | Día Juliano (a las 09:00) | Sol Salida | Sol Puesta | Crepúsculo Comienzo | Crepúsculo Fin | Luna Salida | Luna Puesta | Luna Fase (%) |
|-------|-----------|------------------------------|---------------|---------------|------------------------|-------------------|----------------|----------------|------------------|
| 1 | Domingo | 2453219 | 08:26 | 18:52 | 07:01 | 20:19 | 19:58 | 09:30 | 99 |
| 2 | Lunes | 2453220 | 08:26 | 18:53 | 07:01 | 20:19 | 21:09 | 10:06 | 95 |
| 3 | Martes | 2453221 | 08:25 | 18:54 | 07:00 | 20:20 | 22:16 | 10:36 | 89 |
| 4 | Miércoles | 2453222 | 08:24 | 18:55 | 06:59 | 20:21 | 23:20 | 11:04 | 82 |
| 5 | Jueves | 2453223 | 08:23 | 18:55 | 06:58 | 20:21 | --- | 11:30 | 73 |
| 6 | Viernes | 2453224 | 08:22 | 18:56 | 06:57 | 20:22 | 00:21 | 11:56 | 63 |
| 7 | Sábado | 2453225 | 08:21 | 18:57 | 06:56 | 20:22 | 01:21 | 12:24 | 53 |
| 8 | Domingo | 2453226 | 08:20 | 18:57 | 06:56 | 20:23 | 02:20 | 12:55 | 44 |
| 9 | Lunes | 2453227 | 08:19 | 18:58 | 06:55 | 20:24 | 03:20 | 13:29 | 34 |
| 10 | Martes | 2453228 | 08:18 | 18:59 | 06:54 | 20:24 | 04:19 | 14:10 | 26 |
| 11 | Miércoles | 2453229 | 08:17 | 19:00 | 06:53 | 20:25 | 05:15 | 14:56 | 18 |
| 12 | Jueves | 2453230 | 08:16 | 19:00 | 06:52 | 20:25 | 06:08 | 15:48 | 11 |
| 13 | Viernes | 2453231 | 08:15 | 19:01 | 06:51 | 20:26 | 06:55 | 16:45 | 6 |
| 14 | Sábado | 2453232 | 08:14 | 19:02 | 06:50 | 20:27 | 07:37 | 17:45 | 2 |
| 15 | Domingo | 2453233 | 08:12 | 19:03 | 06:49 | 20:27 | 08:14 | 18:46 | 0 |
| 16 | Lunes | 2453234 | 08:11 | 19:03 | 06:48 | 20:28 | 08:45 | 19:48 | 0 |
| 17 | Martes | 2453235 | 08:10 | 19:04 | 06:47 | 20:29 | 09:14 | 20:49 | 2 |
| 18 | Miércoles | 2453236 | 08:09 | 19:05 | 06:46 | 20:29 | 09:41 | 21:51 | 7 |
| 19 | Jueves | 2453237 | 08:08 | 19:05 | 06:45 | 20:30 | 10:07 | 22:53 | 13 |
| 20 | Viernes | 2453238 | 08:07 | 19:06 | 06:44 | 20:30 | 10:34 | 23:58 | 21 |
| 21 | Sábado | 2453239 | 08:05 | 19:07 | 06:42 | 20:31 | 11:02 | --- | 30 |
| 22 | Domingo | 2453240 | 08:04 | 19:08 | 06:41 | 20:32 | 11:35 | 01:04 | 41 |
| 23 | Lunes | 2453241 | 08:03 | 19:08 | 06:40 | 20:32 | 12:14 | 02:14 | 52 |
| 24 | Martes | 2453242 | 08:02 | 19:09 | 06:39 | 20:33 | 13:02 | 03:25 | 63 |
| 25 | Miércoles | 2453243 | 08:00 | 19:10 | 06:38 | 20:34 | 13:59 | 04:35 | 74 |
| 26 | Jueves | 2453244 | 07:59 | 19:10 | 06:36 | 20:34 | 15:06 | 05:40 | 84 |
| 27 | Viernes | 2453245 | 07:58 | 19:11 | 06:35 | 20:35 | 16:19 | 06:35 | 91 |
| 28 | Sábado | 2453246 | 07:57 | 19:12 | 06:34 | 20:36 | 17:34 | 07:22 | 97 |
| 29 | Domingo | 2453247 | 07:55 | 19:13 | 06:33 | 20:36 | 18:46 | 08:00 | 100 |
| 30 | Lunes | 2453248 | 07:54 | 19:13 | 06:32 | 20:37 | 19:56 | 08:33 | 100 |
| 31 | Martes | 2453249 | 07:53 | 19:14 | 06:30 | 20:38 | 21:02 | 09:02 | 97 |

Volver a Sol... / Return to Sun...

Septiembre

| Fecha | Día | Día Juliano (a las 09:00) | Sol Salida | Sol Puesta | Crepúsculo Comienzo | Crepúsculo Fin | Luna Salida | Luna Puesta | Luna Fase (%) |
|-------|-----------|------------------------------|---------------|---------------|------------------------|-------------------|----------------|----------------|------------------|
| 1 | Miércoles | 2453250 | 07:51 | 19:15 | 06:29 | 20:38 | 22:05 | 09:29 | 92 |
| 2 | Jueves | 2453251 | 07:50 | 19:15 | 06:28 | 20:39 | 23:07 | 09:56 | 86 |
| 3 | Viernes | 2453252 | 07:49 | 19:16 | 06:26 | 20:40 | --- | 10:24 | 78 |
| 4 | Sábado | 2453253 | 07:47 | 19:17 | 06:25 | 20:40 | 00:08 | 10:54 | 69 |
| 5 | Domingo | 2453254 | 07:46 | 19:18 | 06:24 | 20:41 | 01:09 | 11:27 | 60 |
| 6 | Lunes | 2453255 | 07:44 | 19:18 | 06:22 | 20:42 | 02:09 | 12:05 | 50 |
| 7 | Martes | 2453256 | 07:43 | 19:19 | 06:21 | 20:42 | 03:06 | 12:49 | 41 |
| 8 | Miércoles | 2453257 | 07:42 | 19:20 | 06:19 | 20:43 | 04:01 | 13:39 | 32 |
| 9 | Jueves | 2453258 | 07:40 | 19:20 | 06:18 | 20:44 | 04:50 | 14:34 | 23 |
| 10 | Viernes | 2453259 | 07:39 | 19:21 | 06:17 | 20:45 | 05:34 | 15:33 | 16 |
| 11 | Sábado | 2453260 | 07:37 | 19:22 | 06:15 | 20:45 | 06:12 | 16:34 | 9 |
| 12 | Domingo | 2453261 | 07:36 | 19:23 | 06:14 | 20:46 | 06:45 | 17:36 | 4 |
| 13 | Lunes | 2453262 | 07:35 | 19:23 | 06:12 | 20:47 | 07:15 | 18:38 | 1 |
| 14 | Martes | 2453263 | 07:33 | 19:24 | 06:11 | 20:47 | 07:43 | 19:41 | 0 |
| 15 | Miércoles | 2453264 | 07:32 | 19:25 | 06:09 | 20:48 | 08:10 | 20:44 | 1 |
| 16 | Jueves | 2453265 | 07:30 | 19:25 | 06:08 | 20:49 | 08:36 | 21:49 | 4 |
| 17 | Viernes | 2453266 | 07:29 | 19:26 | 06:07 | 20:50 | 09:05 | 23:00 | 10 |
| 18 | Sábado | 2453267 | 07:27 | 19:27 | 06:05 | 20:50 | 09:37 | --- | 18 |
| 19 | Domingo | 2453268 | 07:26 | 19:28 | 06:04 | 20:51 | 10:14 | 00:06 | 27 |
| 20 | Lunes | 2453269 | 07:25 | 19:28 | 06:02 | 20:52 | 10:59 | 01:17 | 38 |
| 21 | Martes | 2453270 | 07:23 | 19:29 | 06:01 | 20:53 | 11:53 | 02:28 | 49 |
| 22 | Miércoles | 2453271 | 07:22 | 19:30 | 05:59 | 20:54 | 12:55 | 03:33 | 61 |
| 23 | Jueves | 2453272 | 07:20 | 19:31 | 05:58 | 20:55 | 14:05 | 04:30 | 71 |
| 24 | Viernes | 2453273 | 07:19 | 19:31 | 05:56 | 20:55 | 15:17 | 05:17 | 81 |
| 25 | Sábado | 2453274 | 07:17 | 19:32 | 05:55 | 20:56 | 16:28 | 05:57 | 89 |
| 26 | Domingo | 2453275 | 07:16 | 19:33 | 05:53 | 20:57 | 17:37 | 06:31 | 95 |
| 27 | Lunes | 2453276 | 07:15 | 19:33 | 05:52 | 20:58 | 18:44 | 07:01 | 99 |
| 28 | Martes | 2453277 | 07:13 | 19:34 | 05:50 | 20:59 | 19:48 | 07:28 | 100 |
| 29 | Miércoles | 2453278 | 07:12 | 19:35 | 05:48 | 21:00 | 20:51 | 07:55 | 99 |
| 30 | Jueves | 2453279 | 07:10 | 19:36 | 05:47 | 21:01 | 21:53 | 08:22 | 95 |

Volver a Sol... / Return to Sun...

Octubre

| Fecha | Día | Día Juliano (a las 09:00) | Sol Salida | Sol Puesta | Crepúsculo Comienzo | Crepúsculo Fin | Luna Salida | Luna Puesta | Luna Fase (%) |
|-------|-----------|------------------------------|---------------|---------------|------------------------|-------------------|----------------|----------------|------------------|
| 1 | Viernes | 2453280 | 07:09 | 19:37 | 05:45 | 21:01 | 22:55 | 08:52 | 90 |
| 2 | Sábado | 2453281 | 07:08 | 19:37 | 05:44 | 21:02 | 23:57 | 09:24 | 84 |
| 3 | Domingo | 2453282 | 07:06 | 19:38 | 05:42 | 21:03 | --- | 10:01 | 76 |
| 4 | Lunes | 2453283 | 07:05 | 19:39 | 05:41 | 21:04 | 00:56 | 10:43 | 67 |
| 5 | Martes | 2453284 | 07:03 | 19:40 | 05:39 | 21:05 | 01:52 | 11:31 | 58 |
| 6 | Miércoles | 2453285 | 07:02 | 19:40 | 05:38 | 21:06 | 02:43 | 12:24 | 48 |
| 7 | Jueves | 2453286 | 07:01 | 19:41 | 05:36 | 21:07 | 03:29 | 13:21 | 39 |
| 8 | Viernes | 2453287 | 06:59 | 19:42 | 05:35 | 21:08 | 04:09 | 14:21 | 30 |
| 9 | Sábado | 2453288 | 06:58 | 19:43 | 05:33 | 21:09 | 04:44 | 15:22 | 21 |
| 10 | Domingo | 2453289 | 06:57 | 19:44 | 05:32 | 21:10 | 05:14 | 16:23 | 14 |
| 11 | Lunes | 2453290 | 06:55 | 19:44 | 05:30 | 21:11 | 05:43 | 17:25 | 7 |
| 12 | Martes | 2453291 | 06:54 | 19:45 | 05:28 | 21:12 | 06:10 | 18:28 | 3 |
| 13 | Miércoles | 2453292 | 06:53 | 19:46 | 05:27 | 21:13 | 06:36 | 19:33 | 0 |

| | | | | | | | | | |
|----|-----------|---------|-------|-------|-------|-------|-------|-------|-----|
| 14 | Jueves | 2453293 | 06:51 | 19:47 | 05:25 | 21:14 | 07:05 | 20:41 | 0 |
| 15 | Viernes | 2453294 | 06:50 | 19:48 | 05:24 | 21:16 | 07:36 | 21:52 | 3 |
| 16 | Sábado | 2453295 | 06:49 | 19:49 | 05:22 | 21:17 | 08:12 | 23:06 | 8 |
| 17 | Domingo | 2453296 | 06:48 | 19:50 | 05:21 | 21:18 | 08:55 | --- | 15 |
| 18 | Lunes | 2453297 | 06:46 | 19:50 | 05:20 | 21:19 | 09:47 | 00:19 | 24 |
| 19 | Martes | 2453298 | 06:45 | 19:51 | 05:18 | 21:20 | 10:48 | 01:27 | 35 |
| 20 | Miércoles | 2453299 | 06:44 | 19:52 | 05:17 | 21:21 | 11:56 | 02:27 | 46 |
| 21 | Jueves | 2453300 | 06:43 | 19:53 | 05:15 | 21:22 | 13:07 | 03:17 | 58 |
| 22 | Viernes | 2453301 | 06:42 | 19:54 | 05:14 | 21:23 | 14:18 | 03:58 | 68 |
| 23 | Sábado | 2453302 | 06:40 | 19:55 | 05:12 | 21:24 | 15:26 | 04:32 | 78 |
| 24 | Domingo | 2453303 | 06:39 | 19:56 | 05:11 | 21:26 | 16:32 | 05:02 | 87 |
| 25 | Lunes | 2453304 | 06:38 | 19:57 | 05:09 | 21:27 | 17:35 | 05:30 | 93 |
| 26 | Martes | 2453305 | 06:37 | 19:58 | 05:08 | 21:28 | 18:37 | 05:56 | 97 |
| 27 | Miércoles | 2453306 | 06:36 | 19:58 | 05:07 | 21:29 | 19:39 | 06:23 | 100 |
| 28 | Jueves | 2453307 | 06:35 | 19:59 | 05:05 | 21:31 | 20:41 | 06:51 | 100 |
| 29 | Viernes | 2453308 | 06:34 | 20:00 | 05:04 | 21:32 | 21:43 | 07:22 | 98 |
| 30 | Sábado | 2453309 | 06:33 | 20:01 | 05:03 | 21:33 | 22:44 | 07:57 | 94 |
| 31 | Domingo | 2453310 | 06:32 | 20:02 | 05:01 | 21:34 | 23:40 | 08:37 | 89 |

Volver a Sol... / Return to Sun...

Noviembre

| Fecha | Día | Día Juliano (a las 09:00) | Sol Salida | Sol Puesta | Crepúsculo Comienzo | Crepúsculo Fin | Luna Salida | Luna Puesta | Luna Fase (%) |
|-------|-----------|------------------------------|---------------|---------------|------------------------|-------------------|----------------|----------------|------------------|
| 1 | Lunes | 2453311 | 06:31 | 20:03 | 05:00 | 21:36 | --- | 09:23 | 82 |
| 2 | Martes | 2453312 | 06:30 | 20:04 | 04:59 | 21:37 | 00:36 | 10:14 | 74 |
| 3 | Miércoles | 2453313 | 06:29 | 20:05 | 04:57 | 21:38 | 01:24 | 11:10 | 66 |
| 4 | Jueves | 2453314 | 06:28 | 20:06 | 04:56 | 21:40 | 02:06 | 12:08 | 56 |
| 5 | Viernes | 2453315 | 06:27 | 20:07 | 04:55 | 21:41 | 02:42 | 13:08 | 47 |
| 6 | Sábado | 2453316 | 06:26 | 20:08 | 04:54 | 21:42 | 03:13 | 14:08 | 37 |
| 7 | Domingo | 2453317 | 06:25 | 20:09 | 04:52 | 21:44 | 03:42 | 15:09 | 27 |
| 8 | Lunes | 2453318 | 06:24 | 20:10 | 04:51 | 21:45 | 04:09 | 16:10 | 19 |
| 9 | Martes | 2453319 | 06:24 | 20:11 | 04:50 | 21:46 | 04:35 | 17:13 | 11 |
| 10 | Miércoles | 2453320 | 06:23 | 20:12 | 04:49 | 21:48 | 05:02 | 18:20 | 5 |
| 11 | Jueves | 2453321 | 06:22 | 20:13 | 04:48 | 21:49 | 05:31 | 19:30 | 1 |
| 12 | Viernes | 2453322 | 06:21 | 20:14 | 04:47 | 21:50 | 06:05 | 20:44 | 0 |
| 13 | Sábado | 2453323 | 06:21 | 20:15 | 04:46 | 21:52 | 06:46 | 22:00 | 1 |
| 14 | Domingo | 2453324 | 06:20 | 20:16 | 04:45 | 21:53 | 07:36 | 23:13 | 6 |
| 15 | Lunes | 2453325 | 06:19 | 20:17 | 04:44 | 21:55 | 08:36 | --- | 13 |
| 16 | Martes | 2453326 | 06:19 | 20:18 | 04:43 | 21:56 | 09:45 | 00:19 | 22 |
| 17 | Miércoles | 2453327 | 06:18 | 20:19 | 04:42 | 21:57 | 10:57 | 01:14 | 32 |
| 18 | Jueves | 2453328 | 06:18 | 20:20 | 04:41 | 21:58 | 12:09 | 01:59 | 43 |
| 19 | Viernes | 2453329 | 06:17 | 20:21 | 04:40 | 22:00 | 13:19 | 02:35 | 54 |
| 20 | Sábado | 2453330 | 06:17 | 20:22 | 04:39 | 22:01 | 14:24 | 03:06 | 65 |
| 21 | Domingo | 2453331 | 06:16 | 20:23 | 04:39 | 22:02 | 15:28 | 03:34 | 75 |
| 22 | Lunes | 2453332 | 06:16 | 20:24 | 04:38 | 22:04 | 16:29 | 03:59 | 83 |
| 23 | Martes | 2453333 | 06:15 | 20:25 | 04:37 | 22:05 | 17:30 | 04:25 | 90 |
| 24 | Miércoles | 2453334 | 06:15 | 20:26 | 04:36 | 22:06 | 18:31 | 04:52 | 95 |
| 25 | Jueves | 2453335 | 06:14 | 20:27 | 04:36 | 22:07 | 19:33 | 05:21 | 99 |
| 26 | Viernes | 2453336 | 06:14 | 20:27 | 04:35 | 22:09 | 20:34 | 05:55 | 100 |
| 27 | Sábado | 2453337 | 06:14 | 20:28 | 04:34 | 22:10 | 21:33 | 06:33 | 99 |
| 28 | Domingo | 2453338 | 06:14 | 20:29 | 04:34 | 22:11 | 22:29 | 07:17 | 97 |
| 29 | Lunes | 2453339 | 06:13 | 20:30 | 04:33 | 22:13 | 23:19 | 08:06 | 93 |
| 30 | Martes | 2453340 | 06:13 | 20:31 | 04:33 | 22:14 | --- | 09:01 | 87 |

Volver a Sol... / Return to Sun...

Diciembre

| Fecha | Día | Día Juliano (a las 09:00) | Sol Salida | Sol Puesta | Crepúsculo Comienzo | Crepúsculo Fin | Luna Salida | Luna Puesta | Luna Fase (%) |
|-------|-----------|------------------------------|---------------|---------------|------------------------|-------------------|----------------|----------------|------------------|
| 1 | Miércoles | 2453341 | 06:13 | 20:32 | 04:32 | 22:15 | 00:03 | 09:59 | 81 |
| 2 | Jueves | 2453342 | 06:13 | 20:33 | 04:32 | 22:16 | 00:41 | 10:58 | 73 |
| 3 | Viernes | 2453343 | 06:13 | 20:34 | 04:32 | 22:17 | 01:14 | 11:57 | 64 |
| 4 | Sábado | 2453344 | 06:13 | 20:35 | 04:31 | 22:18 | 01:43 | 12:56 | 54 |
| 5 | Domingo | 2453345 | 06:13 | 20:36 | 04:31 | 22:19 | 02:09 | 13:55 | 44 |
| 6 | Lunes | 2453346 | 06:13 | 20:36 | 04:31 | 22:21 | 02:35 | 14:56 | 34 |
| 7 | Martes | 2453347 | 06:13 | 20:37 | 04:31 | 22:22 | 03:00 | 15:59 | 25 |
| 8 | Miércoles | 2453348 | 06:13 | 20:38 | 04:31 | 22:23 | 03:27 | 17:05 | 16 |
| 9 | Jueves | 2453349 | 06:13 | 20:39 | 04:31 | 22:24 | 03:58 | 18:17 | 8 |
| 10 | Viernes | 2453350 | 06:13 | 20:39 | 04:31 | 22:25 | 04:35 | 19:32 | 3 |
| 11 | Sábado | 2453351 | 06:13 | 20:40 | 04:31 | 22:25 | 05:20 | 20:48 | 0 |
| 12 | Domingo | 2453352 | 06:14 | 20:41 | 04:31 | 22:26 | 06:16 | 22:00 | 0 |
| 13 | Lunes | 2453353 | 06:14 | 20:42 | 04:31 | 22:27 | 07:23 | 23:02 | 4 |
| 14 | Martes | 2453354 | 06:14 | 20:42 | 04:31 | 22:28 | 08:37 | 23:53 | 10 |
| 15 | Miércoles | 2453355 | 06:14 | 20:43 | 04:31 | 22:29 | 09:53 | --- | 18 |
| 16 | Jueves | 2453356 | 06:15 | 20:44 | 04:31 | 22:29 | 11:06 | 00:34 | 28 |
| 17 | Viernes | 2453357 | 06:15 | 20:44 | 04:32 | 22:30 | 12:15 | 01:08 | 38 |
| 18 | Sábado | 2453358 | 06:15 | 20:45 | 04:32 | 22:31 | 13:21 | 01:37 | 49 |
| 19 | Domingo | 2453359 | 06:16 | 20:45 | 04:32 | 22:31 | 14:23 | 02:04 | 60 |
| 20 | Lunes | 2453360 | 06:16 | 20:46 | 04:33 | 22:32 | 15:24 | 02:29 | 69 |
| 21 | Martes | 2453361 | 06:17 | 20:46 | 04:33 | 22:32 | 16:24 | 02:55 | 78 |
| 22 | Miércoles | 2453362 | 06:17 | 20:47 | 04:34 | 22:33 | 17:25 | 03:24 | 86 |
| 23 | Jueves | 2453363 | 06:18 | 20:47 | 04:34 | 22:33 | 18:26 | 03:55 | 92 |
| 24 | Viernes | 2453364 | 06:18 | 20:48 | 04:35 | 22:34 | 19:26 | 04:31 | 96 |
| 25 | Sábado | 2453365 | 06:19 | 20:48 | 04:36 | 22:34 | 20:23 | 05:13 | 99 |
| 26 | Domingo | 2453366 | 06:20 | 20:48 | 04:36 | 22:34 | 21:15 | 06:00 | 100 |
| 27 | Lunes | 2453367 | 06:20 | 20:49 | 04:37 | 22:34 | 22:01 | 06:54 | 99 |
| 28 | Martes | 2453368 | 06:21 | 20:49 | 04:38 | 22:35 | 22:41 | 07:51 | 96 |
| 29 | Miércoles | 2453369 | 06:22 | 20:49 | 04:39 | 22:35 | 23:15 | 08:50 | 92 |
| 30 | Jueves | 2453370 | 06:22 | 20:49 | 04:40 | 22:35 | 23:45 | 09:49 | 86 |
| 31 | Viernes | 2453371 | 06:23 | 20:50 | 04:41 | 22:35 | --- | 10:48 | 79 |

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