

OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

AS SUPER LUAS DE 2015 A 2050**LUA CHEIA****PERIGEU LUNAR**

| ANO | MÊS | DIA | HORA | ANO | MÊS | DIA | HORA | DIST. TERRA-LUA KM | DIFERENÇA ENTRE LUA CHEIA E PERIGEU (FRACÇÃO DIA) |
|------|-----|-----|-------|------|-----|-----|------------|-----------------------|--|
| 2015 | Ago | 29 | 18:36 | 2015 | Ago | 30 | 15:21:31.0 | 358.289,811 | 0,86 |
| 2015 | Set | 28 | 2:52 | 2015 | Set | 28 | 01:46:13.0 | 356.876,768 | 0,05 |
| 2015 | Out | 27 | 12:06 | 2015 | Out | 26 | 13:01:16.0 | 358.463,475 | 0,96 |
| 2016 | Out | 16 | 4:24 | 2016 | Out | 16 | 23:34:22.0 | 357.860,831 | 0,80 |
| 2016 | Nov | 14 | 13:53 | 2016 | Nov | 14 | 11:21:47.0 | 356.508,987 | 0,11 |
| 2016 | Dez | 14 | 0:07 | 2016 | Dez | 12 | 23:29:25.0 | 358.460,647 | 1,03 |
| 2017 | Dez | 3 | 15:48 | 2017 | Dez | 4 | 08:45:39.0 | 357.492,089 | 0,72 |
| 2018 | Jan | 2 | 2:25 | 2018 | Jan | 1 | 21:48:40.0 | 356.564,819 | 0,19 |
| 2018 | Jan | 31 | 13:28 | 2018 | Jan | 30 | 09:57:25.0 | 358.993,524 | 1,15 |
| 2019 | Jan | 21 | 5:17 | 2019 | Jan | 21 | 19:59:41.0 | 357.342,247 | 0,61 |
| 2019 | Fev | 19 | 15:55 | 2019 | Fev | 19 | 09:03:48.0 | 356.760,687 | 0,29 |
| 2019 | Mar | 21 | 1:44 | 2019 | Mar | 19 | 19:47:22.0 | 359.377,000 | 1,25 |
| 2020 | Mar | 9 | 17:49 | 2020 | Mar | 10 | 06:29:58.0 | 357.121,853 | 0,53 |
| 2020 | Abr | 8 | 2:36 | 2020 | Abr | 7 | 18:08:23.0 | 356.906,557 | 0,35 |
| 2020 | Mai | 7 | 10:46 | 2020 | Mai | 6 | 03:02:56.0 | 359.653,767 | 1,32 |
| 2021 | Abr | 27 | 3:33 | 2021 | Abr | 27 | 15:22:37.0 | 357.377,973 | 0,49 |
| 2021 | Mai | 26 | 11:15 | 2021 | Mai | 26 | 01:49:45.0 | 357.310,962 | 0,39 |
| 2022 | Jun | 14 | 11:53 | 2022 | Jun | 14 | 23:23:18.0 | 357.432,471 | 0,48 |
| 2022 | Jul | 13 | 18:39 | 2022 | Jul | 13 | 09:05:22.0 | 357.263,701 | 0,40 |
| 2023 | Ago | 1 | 18:33 | 2023 | Ago | 2 | 05:52:21.0 | 357.310,536 | 0,47 |
| 2023 | Ago | 31 | 1:37 | 2023 | Ago | 30 | 15:54:32.0 | 357.180,754 | 0,40 |
| 2024 | Set | 18 | 2:36 | 2024 | Set | 18 | 13:22:50.0 | 357.285,859 | 0,45 |
| 2024 | Out | 17 | 11:28 | 2024 | Out | 17 | 00:51:20.0 | 357.174,537 | 0,44 |
| 2025 | Nov | 5 | 13:20 | 2025 | Nov | 5 | 22:27:07.0 | 356.832,735 | 0,38 |
| 2025 | Dez | 4 | 23:15 | 2025 | Dez | 4 | 11:07:38.0 | 356.962,564 | 0,51 |
| 2026 | Nov | 24 | 14:55 | 2026 | Nov | 25 | 21:01:13.0 | 359.346,653 | 1,25 |
| 2026 | Dez | 24 | 1:29 | 2026 | Dez | 24 | 08:31:41.0 | 356.650,198 | 0,29 |
| 2027 | Jan | 22 | 12:19 | 2027 | Jan | 21 | 21:48:31.0 | 357.283,193 | 0,60 |
| 2028 | Jan | 12 | 4:04 | 2028 | Jan | 13 | 07:45:19.0 | 359.045,390 | 1,15 |
| 2028 | Fev | 10 | 15:05 | 2028 | Fev | 10 | 19:56:23.0 | 356.679,084 | 0,20 |
| 2028 | Mar | 11 | 1:07 | 2028 | Mar | 10 | 08:21:55.0 | 357.597,449 | 0,70 |
| 2029 | Fev | 28 | 17:11 | 2029 | Mar | 1 | 18:28:58.0 | 358.626,674 | 1,05 |
| 2029 | Mar | 30 | 2:28 | 2029 | Mar | 30 | 05:39:48.0 | 356.663,101 | 0,13 |
| 2029 | Abr | 28 | 10:38 | 2029 | Abr | 27 | 16:22:55.0 | 357.830,599 | 0,76 |
| 2030 | Abr | 18 | 3:21 | 2030 | Abr | 19 | 03:45:46.0 | 358.705,493 | 1,02 |
| 2030 | Mai | 17 | 11:20 | 2030 | Mai | 17 | 13:47:44.0 | 357.018,724 | 0,10 |
| 2030 | Jun | 15 | 18:42 | 2030 | Jun | 14 | 23:33:12.0 | 358.184,791 | 0,80 |
| 2031 | Jun | 5 | 12:00 | 2031 | Jun | 6 | 12:11:16.0 | 358.744,186 | 1,01 |
| 2031 | Jul | 4 | 19:03 | 2031 | Jul | 4 | 21:17:12.0 | 357.009,550 | 0,09 |
| 2031 | Ago | 3 | 1:47 | 2031 | Ago | 2 | 06:43:17.0 | 358.060,052 | 0,79 |
| 2032 | Jul | 22 | 18:53 | 2032 | Jul | 23 | 18:44:02.0 | 358.603,072 | 0,99 |
| 2032 | Ago | 21 | 1:48 | 2032 | Ago | 21 | 03:52:05.0 | 356.878,981 | 0,09 |
| 2032 | Set | 19 | 9:31 | 2032 | Set | 18 | 14:07:33.0 | 358.032,896 | 0,81 |
| 2033 | Set | 9 | 2:22 | 2033 | Set | 10 | 01:45:45.0 | 358.590,368 | 0,97 |

LUA CHEIA

PERIGEU LUNAR

| ANO | MÊS | DIA | HORA | ANO | MÊS | DIA | HORA | DIST. TERRA-LUA KM | DIFERENÇA ENTRE LUA CHEIA E PERIGEU (FRACÇÃO DIA) |
|------|-----|-----|-------|------|-----|-----|------------|-----------------------|--|
| 2033 | Out | 8 | 10:59 | 2033 | Out | 8 | 12:12:56.0 | 356.825,855 | 0,05 |
| 2033 | Nov | 6 | 20:33 | 2033 | Nov | 5 | 23:59:25.0 | 358.102,941 | 0,86 |
| 2034 | Out | 27 | 12:44 | 2034 | Out | 28 | 10:13:10.0 | 358.120,171 | 0,90 |
| 2034 | Nov | 25 | 22:33 | 2034 | Nov | 25 | 22:06:10.0 | 356.445,402 | 0,02 |
| 2034 | Dez | 25 | 8:56 | 2034 | Dez | 24 | 10:36:49.0 | 358.114,734 | 0,93 |
| 2035 | Dez | 15 | 0:34 | 2035 | Dez | 15 | 19:42:11.0 | 357.743,316 | 0,80 |
| 2036 | Jan | 13 | 11:17 | 2036 | Jan | 13 | 08:41:49.0 | 356.517,234 | 0,11 |
| 2036 | Fev | 11 | 22:10 | 2036 | Fev | 10 | 21:00:21.0 | 358.655,232 | 1,05 |
| 2037 | Jan | 31 | 14:05 | 2037 | Fev | 1 | 07:00:00.0 | 357.593,815 | 0,70 |
| 2037 | Mar | 2 | 0:29 | 2037 | Mar | 1 | 19:45:42.0 | 356.708,187 | 0,20 |
| 2037 | Mar | 31 | 9:55 | 2037 | Mar | 30 | 06:32:12.0 | 359.003,495 | 1,14 |
| 2038 | Mar | 21 | 2:11 | 2038 | Mar | 21 | 17:13:52.0 | 357.385,680 | 0,63 |
| 2038 | Abr | 19 | 10:37 | 2038 | Abr | 19 | 04:30:12.0 | 356.837,663 | 0,25 |
| 2038 | Mai | 18 | 18:25 | 2038 | Mai | 17 | 13:33:46.0 | 359.245,857 | 1,20 |
| 2039 | Mai | 8 | 11:21 | 2039 | Mai | 9 | 01:47:12.0 | 357.632,356 | 0,60 |
| 2039 | Jun | 6 | 18:49 | 2039 | Jun | 6 | 11:59:03.0 | 357.204,625 | 0,28 |
| 2039 | Jul | 6 | 2:05 | 2039 | Jul | 4 | 20:28:34.0 | 359.511,934 | 1,23 |
| 2040 | Jun | 24 | 19:21 | 2040 | Jun | 25 | 09:34:03.0 | 357.650,568 | 0,59 |
| 2040 | Jul | 24 | 2:07 | 2040 | Jul | 23 | 19:12:43.0 | 357.110,487 | 0,29 |
| 2040 | Ago | 22 | 9:11 | 2040 | Ago | 21 | 03:52:27.0 | 359.354,821 | 1,22 |
| 2041 | Ago | 12 | 2:06 | 2041 | Ago | 12 | 16:01:54.0 | 357.493,662 | 0,58 |
| 2041 | Set | 10 | 9:25 | 2041 | Set | 10 | 02:13:43.0 | 357.000,298 | 0,30 |
| 2041 | Out | 9 | 18:04 | 2041 | Out | 8 | 12:03:45.0 | 359.444,646 | 1,25 |
| 2042 | Set | 29 | 10:36 | 2042 | Set | 29 | 23:45:38.0 | 357.427,264 | 0,55 |
| 2042 | Out | 28 | 19:50 | 2042 | Out | 28 | 11:32:11.0 | 356.974,471 | 0,35 |
| 2042 | Nov | 27 | 6:07 | 2042 | Nov | 25 | 22:37:59.0 | 359.650,169 | 1,31 |
| 2043 | Nov | 16 | 21:54 | 2043 | Nov | 17 | 09:08:03.0 | 356.947,216 | 0,47 |
| 2043 | Dez | 16 | 8:03 | 2043 | Dez | 15 | 22:01:34.0 | 356.767,842 | 0,42 |
| 2045 | Jan | 3 | 10:22 | 2045 | Jan | 3 | 19:25:36.0 | 356.773,175 | 0,38 |
| 2045 | Fev | 1 | 21:07 | 2045 | Fev | 1 | 08:42:48.0 | 357.105,368 | 0,52 |
| 2046 | Jan | 22 | 12:53 | 2046 | Jan | 23 | 19:02:36.0 | 359.439,962 | 1,26 |
| 2046 | Fev | 20 | 23:46 | 2046 | Fev | 21 | 06:44:31.0 | 356.803,731 | 0,29 |
| 2046 | Mar | 22 | 9:28 | 2046 | Mar | 21 | 18:59:05.0 | 357.397,154 | 0,60 |
| 2047 | Mar | 12 | 1:38 | 2047 | Mar | 13 | 05:34:36.0 | 359.039,299 | 1,16 |
| 2047 | Abr | 10 | 10:37 | 2047 | Abr | 10 | 16:08:07.0 | 356.786,103 | 0,23 |
| 2047 | Mai | 9 | 18:26 | 2047 | Mai | 9 | 02:43:16.0 | 357.601,237 | 0,65 |
| 2048 | Abr | 28 | 11:14 | 2048 | Abr | 29 | 14:33:01.0 | 359.127,126 | 1,14 |
| 2048 | Mai | 27 | 18:58 | 2048 | Mai | 28 | 00:00:04.0 | 357.115,697 | 0,21 |
| 2048 | Jun | 26 | 2:09 | 2048 | Jun | 25 | 09:47:52.0 | 357.913,572 | 0,68 |
| 2049 | Jun | 15 | 19:28 | 2049 | Jun | 16 | 22:40:31.0 | 359.141,395 | 1,13 |
| 2049 | Jul | 15 | 2:31 | 2049 | Jul | 15 | 07:21:54.0 | 357.060,328 | 0,20 |
| 2049 | Ago | 13 | 9:21 | 2049 | Ago | 12 | 17:04:22.0 | 357.748,535 | 0,68 |
| 2050 | Ago | 3 | 2:22 | 2050 | Ago | 4 | 05:06:30.0 | 358.972,897 | 1,11 |
| 2050 | Set | 1 | 9:32 | 2050 | Set | 1 | 14:05:03.0 | 356.895,100 | 0,19 |
| 2050 | Set | 30 | 17:33 | 2050 | Set | 30 | 00:46:28.0 | 357.709,995 | 0,70 |