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Apogee and perigee of moon

Turn the moon around the Earth in an elliptical orbit with an average excentricity of 0.0549. As a result, the distance of the moon from the ground (center-center) varies with average values of 363.39 km in Pertigee (closer) at 405,504 km apogee (further). The anomalistic month is defined as the time that takes the moon to make a revolution around its orbit than perigee. The length of the average anomalistic month as calculated for the year 2000 is 27,55455 days (27D 13h 18m 33). However, the actual duration can vary from several days due to the gravitational disturbances of the sun on the eccentric orbit of the moon. During the period of 5000 years from -1999 to 3000 (2000 to 3000 EC), the distance of the perigee of the moon varies from 356.355 to 370,399 km while the apogee of the moon varies from 404,042 to 406,725 km. The shortest anomalistic month is 24,629 days (2.925 more short days of the average) while the longest anomalistic month is 28,565 days (1.011 days longer than average). The table presented here dÀ The date and time (Greenwich Mean Time) of all the puzzles and the apogens of the Moon for the 21st century (2001-2100). The 'M' is m ', after some dates indicate the minimum and maximum values, respectively every year. For conversion to other time zones, see time and universal time. Perigee year Apogee distance distance (km) (km) 2001 10 January 08:59 357 132 24 January 19:02 406.565 m 7 February 22:19 356.853 m 20 February 21:38 406.332 8 March 08:55 359.779 March 20 11:25 years 405.473 Apr 05 10:04 364.815 Apr 17 6:06 404501 MAY 02 03:37 369.426 MAY 15 01:29 404.141 m PUA: 27 07:07 368.036 JUNE 11 19:48 404630 JUNE 23 17:14 363.135 Jul 09 11:24 405565 Jul 21 20:44 359027 Aug 05 21:05 406268 Aug 19 05:43 357159 September 03 23:26 406332 Sep 16 15:50 358128 29 05:33 405791 Oct 14 23:02 361864 Oct 26 20:12 404937: 37 367259 Nov 23 15:46 404396 Dec 06 22:48 370114 m Dec 21 13:02 404634 2002 Jan 07 07:13 365412 18 08:13 365412 18 08:50 405503 30 09:02 am 409997 30 09:02 359997 February 14 22:22 406361 14 February 22:22 406361: 47 356898 m Mar 14 01:09 406.705 m Mar 28 07:42 357012 Apr 10 5:32 406409 Apr 25 16:25 360088 May 07 19:15 405.483 May 23 15:31 364.985 Jun 04 12:58 404.524 Jun 19 07: 24 369308 m 2 July 07:35 404.211 m 14 July 13:13 367.853 30 July 0 1:45 404.742 10 August 23:32 362.928 26 August 17:43 405694 8 September 03:14 358745 23 September 03:26 406351 6 October 13:17 356920 Oct 20 04:41 406358 Nov 04 00:50 358154 Nov 16 11: 30 405795 Dec 02 08:53 362294 14 03:57 40492 Dec 14 01:57 404912 Dec 30 01:06 367904 2003 Jan 11 00:43 404343 Jan 23 22 22 22 22: 43 3699 m 7 February 21:58 404.551 February 19 16:19 364844 7 March 16:34 405.383 March 19, 18:57 359.818 April 4, 04:31 406.211 17 April 04:58 357.158 1 May 7:39 406530 m 15 May 15: 39 357449 28 May 13:05 406.171 12 June 23 : 18 360427 25 June 02:25 405.233 10 July 22:05 365143 July 22, 19:37 404.330 6 August 14:06 369.437 19th August 14:22 404102 m 31 August 18: 47 367929 16 Sep 16 09:22 404713 28 Sep 28 05:59 362837 Oct 14 02:27 405692 Oct 26 11:34 358549 Nov 10 12:05 406298 Nov 23 23:14 356812 m Dec 07 12:05 40628 m 358342 2004 3 January 20:19 405.707 January 19, 19:25 362.768 January 31, 14:00 404807 16 February 07:34 368.320 28 February 10:45 404.259 m 12 March 03:37 369.511 March 27 07:02 404.520 8 April 02:28 364548 Apr 24 00:26 405403 May 06 04:29 359812 May 21 12:02 406262 03 13 13:10 357247 m 17 16:02 406575 m Jul 01 23 : 00 357450 Jul 14 21:08 406192 Jul 30 06:25 360326 AU. 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