

2015 Phases and Apsides of the Moon Australian Eastern Standard Time					
New Moon d h m	First Quarter d h m	Full Moon d h m	Last Quarter d h m	Perigee d h m	Apogee d h m
Jan 20 23:14	Jan 27 14:48	Jan 05 14:53	Jan 13 19:46	Jan 22 06:07	Jan 10 04:18
Feb 19 09:47	Feb 26 03:14	Feb 04 09:09	Feb 12 13:50	Feb 19 17:31	Feb 06 16:27
Mar 20 19:36	Mar 27 17:43	Mar 06 04:05	Mar 14 03:48	Mar 20 05:39	Mar 05 17:36
Apr 19 04:57	Apr 26 09:55	Apr 04 22:05	Apr 12 13:44	Apr 17 13:54	Apr 01 23:00
May 18 14:13	May 26 03:19	May 04 13:42	May 11 20:36	May 15 10:24	Apr 29 13:56
Jun 17 00:05	Jun 24 21:02	Jun 03 02:19	Jun 10 01:42	Jun 10 14:40	May 27 08:14
Jul 16 11:24	Jul 24 14:04	Jul 02 12:20	Jul 09 06:24	Jul 06 04:55	Jun 24 03:02
Aug 15 00:53	Aug 23 05:31	Jul 31 20:43	Aug 07 12:03	Aug 02 20:12	Jul 21 21:03
Sep 13 16:41	Sep 21 18:59	Aug 30 04:35	Sep 05 19:54	Aug 31 01:25	Aug 18 12:34
Oct 13 10:06	Oct 21 06:31	Sep 28 12:50	Oct 05 07:06	Sep 28 11:47	Sep 14 21:29
Nov 12 03:47	Nov 19 16:27	Oct 27 22:05	Nov 03 22:24	Oct 26 23:00	Oct 11 23:18
Dec 11 20:29	Dec 19 01:14	Nov 26 08:44	Dec 03 17:40	Nov 24 06:07	Nov 08 07:50
		Dec 25 21:11		Dec 21 18:54	Dec 06 00:57
2015 Seasons and Apsides of the Earth					
Perihelion d h m	Vernal Equinox d h m	Summer Solstice d h m	Aphelion d h m	Autumnal Equinox d h m	Winter Solstice d h m
Jan 04 17:00	Mar 21 08:45	Jun 22 02:38	Jul 07 05:00	Sep 23 18:20	Dec 22 14:48

Notes:-

- The moon phases given in this table are the times when the sun, moon, and earth lie approximately in the same line (180°) at full and new moon and at first and last quarter when the moon is (90°) to the line of the sun and earth.
- Equinox and Solstice named by Northern Hemisphere convention

Acknowledgement: National Mapping Division, Geoscience Australia
www.ga.gov.au/nmd/geodesy/astro/