

The Moon • October 2011

Phases

First quarter	October 4, 3:15 UT
Full Moon	October 12, 2:06 UT
Last quarter	October 20, 3:30 UT
New Moon	October 26, 19:56 UT

Distances

Apogee	October 12, 12 ^h UT
252,863 miles	diam. 29' 22"
Perigee	October 26, 12 ^h UT
221,298 miles	diam. 33' 33"

Librations

Mare Marginis	October 1
Lyot (crater)	October 7
Einstein (crater)	October 19
Lavoisier (crater)	October 22

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For key dates, yellow dots on the map indicate what part of the Moon's limb is tipped the most toward Earth by libration under favorable illumination.