

The Moon • January 2012

Phases

First quarter	January 1, 6:15 UT
Full Moon	January 9, 7:30 UT
Last quarter	January 16, 9:08 UT
New Moon	January 23, 7:39 UT
First quarter	January 31, 4:10 UT

Distances

Apogee	January 2, 20 ^h UT
249,230 miles	diam. 29' 47"
Perigee	January 17, 21 ^h UT
232,592 miles	diam. 31' 55"
Apogee	January 30, 18 ^h UT
249,367 miles	diam. 29' 47"

Librations

Malapert (crater)	January 1
Xenophanes (crater)	January 13
Mare Australe	January 25
Lyot (crater)	January 27

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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.