



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

## Phases



**LAST QUARTER**  
October 8, 7:33 UT



**NEW MOON**  
October 15, 12:03 UT



**FIRST QUARTER**  
October 22, 3:32 UT



**FULL MOON**  
October 29, 19:49 UT

## Distances

Apogee	October 5, 1 <sup>h</sup> UT
251,755 miles	diam. 29' 38"
Perigee	October 27, 1 <sup>h</sup> UT
224,111 miles	diam. 33' 3"

## Librations

Pythagoras (crater)	October 8
Xenophanes (crater)	October 12
Mare Australe	October 24
Phillips (crater)	October 29