

# Total lunar eclipse visible on winter solstice

This year's only total eclipse of the moon will coincide with the winter solstice on December 21. North America and the Pacific will be treated to the best views, but parts of the eclipse will also be visible in Europe, South America, western Africa, Australia and northeast Asia

Evening of Dec 20

Morning of Dec 21



## ECLIPSE TIMINGS

GMT Eastern Standard Time Pacific Standard Time

Partial eclipse begins	06:33	01:33	22:33*
Total eclipse begins	07:41	02:41	23:41*
Greatest eclipse	08:17	03:17	00:17
Total eclipse ends	08:53	03:53	00:53
Partial eclipse ends	10:01	05:01	02:01

## ECLIPSE ANATOMY

**1** Earth blocks sunlight usually reflected by **moon**, creating partial (**penumbra**) or total (**umbra**) shadow

