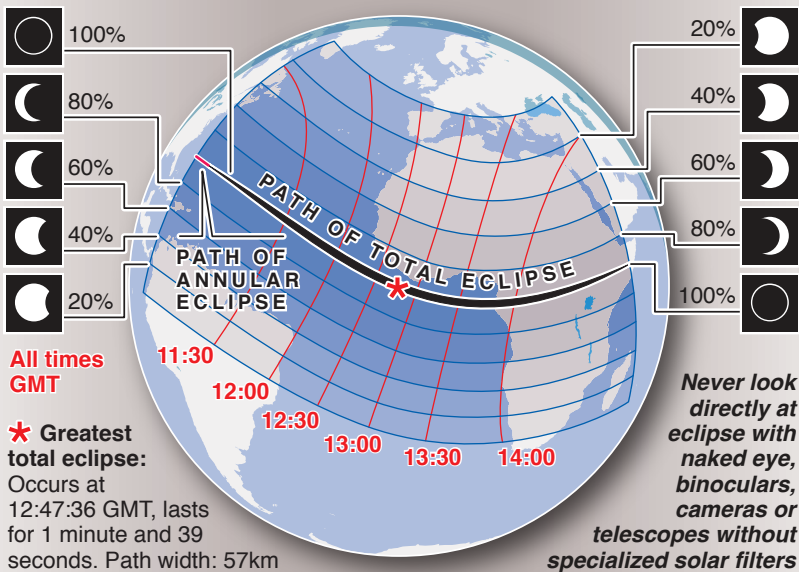


Rare hybrid solar eclipse excites astronomers

A rare hybrid eclipse takes place on November 3 when the Moon passes directly across the Sun, producing a fleeting annular eclipse along the U.S. east coast, followed by a total eclipse across the Atlantic and central Africa

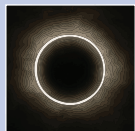
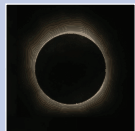
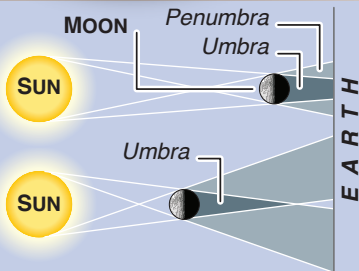


TOTAL ECLIPSE

Moon's umbral shadow obscures Sun completely

ANNULAR ECLIPSE

Moon is further away from Earth than in total eclipse, so outer edge of Sun (annulus) is visible



Hybrid eclipse occurs when, due to curvature of Earth's surface, it appears as total eclipse in some locations, and annular eclipse in others