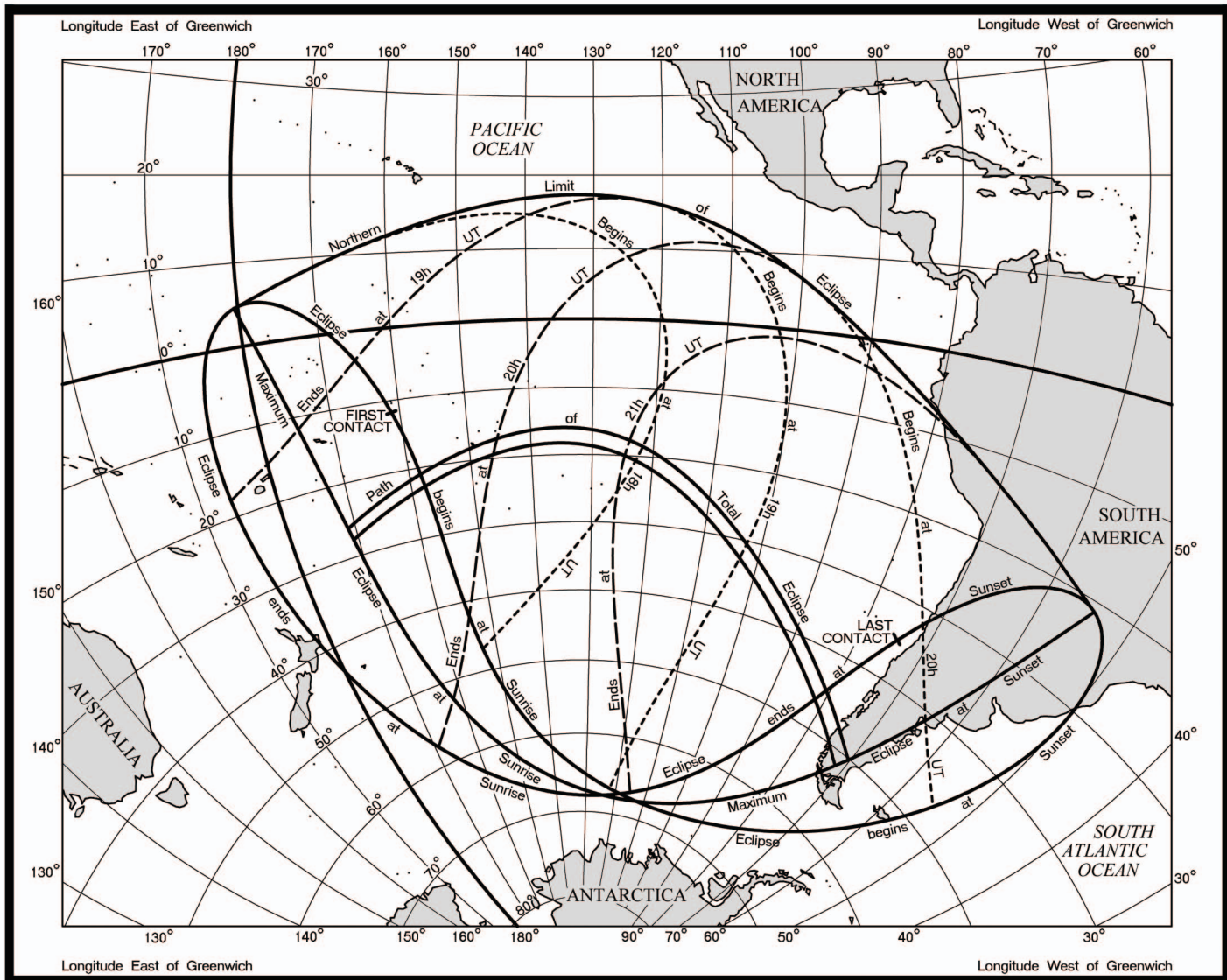


TOTAL SOLAR ECLIPSE OF 2010 JULY 11



ASTRONOMICAL APPLICATIONS DEPT.
 U.S. NAVAL OBSERVATORY
 WASHINGTON, DC 20392-5420 USA