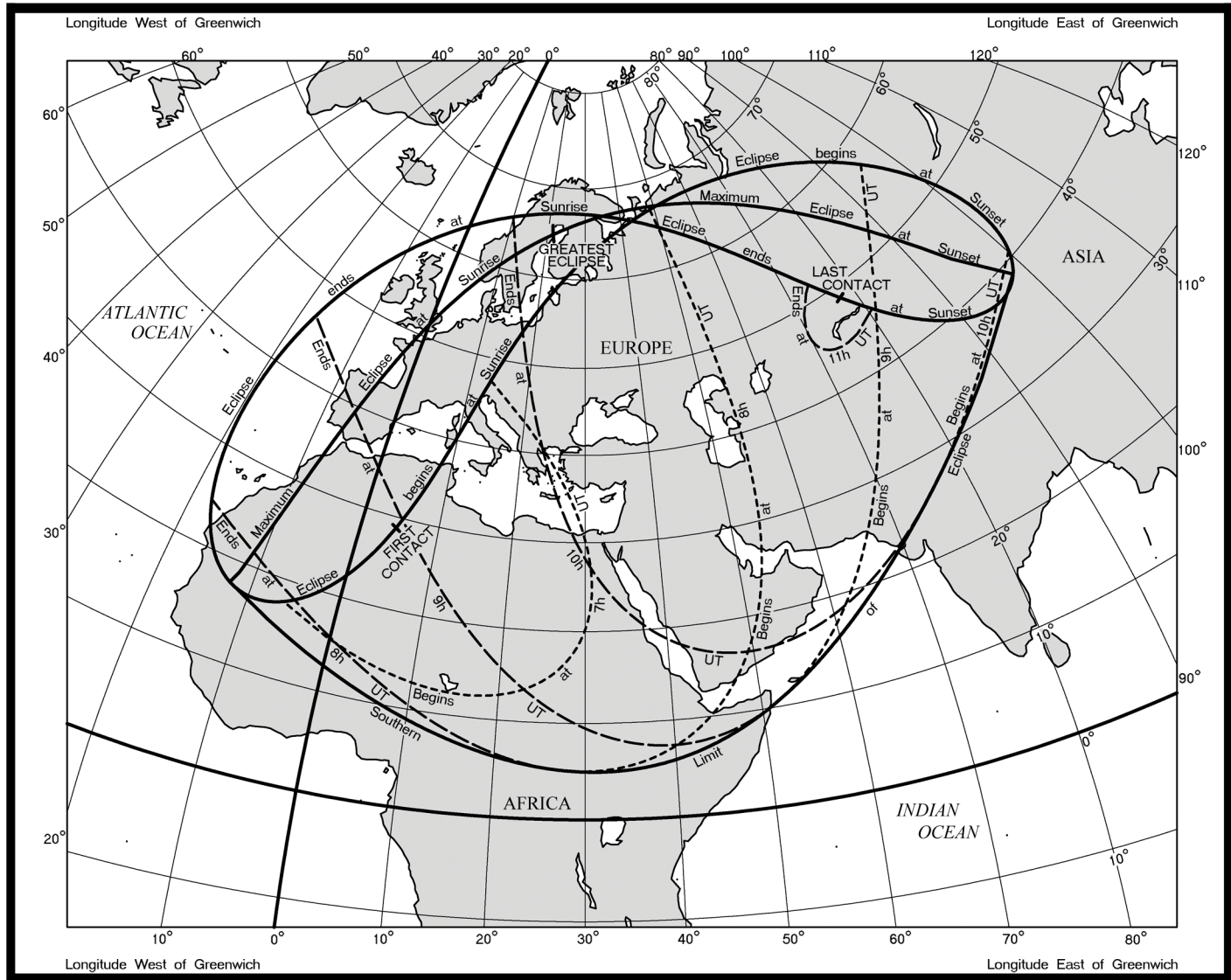


# PARTIAL SOLAR ECLIPSE OF 2011 JANUARY 4



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