

Table 3

**Crater Immersion and Emergence Times for the  
Total Lunar Eclipse of 2008 Feb 21**

UT of Immersion	Crater Name	UT of Emergence	Crater Name
01:48	Grimaldi	04:06	Grimaldi
01:49	Aristarchus	04:07	Billy
01:54	Kepler	04:07	Tycho
01:56	Billy	04:09	Campanus
02:00	Pytheas	04:19	Kepler
02:02	Copernicus	04:22	Aristarchus
02:03	Timocharis	04:27	Copernicus
02:05	Plato	04:30	Pytheas
02:11	Campanus	04:36	Timocharis
02:14	Aristoteles	04:42	Dionysius
02:15	Eudoxus	04:42	Manilius
02:16	Manilius	04:44	Plato
02:20	Menelaus	04:46	Menelaus
02:24	Dionysius	04:47	Goclenius
02:24	Plinius	04:49	Plinius
02:27	Tycho	04:51	Eudoxus
02:34	Proclus	04:52	Aristoteles
02:38	Taruntius	04:53	Langrenus
02:42	Goclenius	04:55	Taruntius
02:48	Langrenus	04:59	Proclus

Predictions include a ~1% enlargement of the umbral shadow due to Earth's atmosphere.

Fred Espenak, "Eclipses During 2008," **Observer's Handbook 2008**, Royal Astronomical Society of Canada, University of Toronto Press, Toronto, 2007.