

Table 6

**Crater Immersion and Emergence Times for the  
Partial Lunar Eclipse of 2008 Aug 16**

UT of Immersion	Crater Name	UT of Emergence	Crater Name
19:43	Grimaldi	21:28	Aristarchus
19:47	Billy	21:35	Timocharis
19:54	Campanus	21:39	Pytheas
19:59	Tycho	21:43	Grimaldi
20:03	Kepler	21:43	Kepler
20:11	Aristarchus	21:49	Copernicus
20:14	Copernicus	21:53	Billy
20:22	Pytheas	21:57	Manilius
20:32	Dionysius	21:58	Menelaus
20:34	Timocharis	22:01	Plinius
20:35	Manilius	22:07	Proclus
20:38	Goclenius	22:09	Campanus
20:41	Menelaus	22:11	Dionysius
20:44	Langrenus	22:18	Taruntius
20:45	Plinius	22:22	Tycho
20:49	Taruntius	22:30	Goclenius
20:57	Proclus	22:33	Langrenus

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.