

Table 3

**Crater Immersion and Emergence Times for the
Total Lunar Eclipse of 2011 June 15**

UT of Immersion	Crater Name	UT of Emergence	Crater Name
18:24	Grimaldi	21:06	Grimaldi
18:29	Billy	21:08	Aristarchus
18:31	Aristarchus	21:11	Billy
18:32	Kepler	21:13	Kepler
18:40	Campanus	21:18	Pytheas
18:40	Copernicus	21:20	Plato
18:41	Pytheas	21:20	Copernicus
18:45	Timocharis	21:21	Timocharis
18:49	Tycho	21:21	Campanus
18:51	Plato	21:28	Aristoteles
18:55	Manilius	21:29	Eudoxus
18:58	Menelaus	21:29	Tycho
18:59	Dionysius	21:33	Manilius
18:59	Eudoxus	21:36	Menelaus
19:00	Aristoteles	21:39	Dionysius
19:02	Plinius	21:40	Plinius
19:11	Goclenius	21:49	Proclus
19:12	Proclus	21:51	Taruntius
19:12	Taruntius	21:53	Goclenius
19:17	Langrenus	21:58	Langrenus

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

Fred Espenak, "Eclipses During 2011," **Observer's Handbook 2011**,
Royal Astronomical Society of Canada, University of Toronto Press, Toronto, 2010.