

**Table 4: Total Lunar Eclipse of 2018 Jul 27
Crater Immersion and Emersion Times**

UT of Immersion	Crater Name		UT of Emersion	Crater Name
18:26	Riccioli		21:15	Riccioli
18:27	Grimaldi		21:16	Grimaldi
18:32	Billy		21:23	Billy
18:39	Kepler		21:23	Aristarchus
18:41	Campanus		21:26	Kepler
18:41	Aristarchus		21:33	Campanus
18:48	Copernicus		21:35	Pytheas
18:49	Tycho		21:36	Copernicus
18:51	Pytheas		21:38	Plato
18:56	Timocharis		21:38	Timocharis
19:04	Autolycus		21:40	Tycho
19:04	Manilius		21:45	Autolycus
19:05	Plato		21:48	Aristoteles
19:07	Dionysius		21:50	Eudoxus
19:08	Menelaus		21:51	Manilius
19:12	Plinius		21:55	Menelaus
19:13	Eudoxus		21:57	Dionysius
19:14	Aristoteles		21:58	Endymion
19:14	Censorinus		21:59	Plinius
19:18	Goclenius		22:05	Censorinus
19:20	Messier		22:09	Proclus
19:21	Taruntius		22:10	Goclenius
19:22	Proclus		22:10	Taruntius
19:23	Langrenus		22:11	Messier
19:24	Endymion		22:15	Langrenus

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

Courtesy of Fred Espenak, "Eclipses During 2018", 2018 Observer's Handbook, Royal Astronomical Society Of Canada.