

**TABLE 2: Total Lunar Eclipse of 2022 May 16
Crater Immersion and Emergence Times**

UT1 of Immersion	Crater Name
02:30	Riccioli
02:31	Grimaldi
02:37	Aristarchus
02:38	Billy
02:40	Kepler
02:48	Pytheas
02:48	Copernicus
02:50	Campanus
02:51	Timocharis
02:54	Plato
02:57	Autolycus
03:02	Tycho
03:02	Manilius
03:02	Aristoteles
03:03	Eudoxus
03:05	Menelaus
03:07	Dionysius
03:09	Plinius
03:11	Endymion
03:15	Censorinus
03:18	Proclus
03:19	Taruntius
03:21	Messier
03:21	Goclenius
03:25	Langrenus

UT1 of Emergence	Crater Name
05:00	Riccioli
05:01	Grimaldi
05:04	Billy
05:09	Campanus
05:11	Tycho
05:13	Kepler
05:14	Aristarchus
05:21	Copernicus
05:23	Pytheas
05:27	Timocharis
05:32	Plato
05:34	Autolycus
05:35	Manilius
05:37	Dionysius
05:39	Menelaus
05:40	Eudoxus
05:40	Aristoteles
05:42	Plinius
05:42	Censorinus
05:43	Goclenius
05:47	Messier
05:48	Langrenus
05:48	Taruntius
05:48	Endymion
05:50	Proclus

Predictions include the enlargement of the umbral shadow due to Earth's atmosphere.

"Eclipses During 2022", Fred Espenak, **Observer's Handbook 2022**, Royal Astronomical Society of Canada