

**TABLE 4: Total Lunar Eclipse of 2025 Sep 07
Crater Immersion and Emerision Times**

UTC of Immersion	Crater Name
16:33	Riccioli
16:35	Grimaldi
16:35	Aristarchus
16:40	Kepler
16:43	Billy
16:45	Pytheas
16:47	Copernicus
16:48	Plato
16:48	Timocharis
16:54	Autolycus
16:56	Aristoteles
16:57	Campanus
16:57	Eudoxus
17:00	Manilius
17:03	Menelaus
17:04	Endymion
17:06	Plinius
17:07	Dionysius
17:09	Tycho
17:14	Censorinus
17:15	Proclus
17:17	Taruntius
17:20	Messier
17:21	Goclenius
17:25	Langrenus

UTC of Emerision	Crater Name
18:58	Riccioli
18:59	Grimaldi
19:03	Billy
19:10	Aristarchus
19:11	Campanus
19:11	Kepler
19:15	Tycho
19:20	Copernicus
19:21	Pytheas
19:25	Timocharis
19:28	Plato
19:32	Autolycus
19:35	Manilius
19:36	Aristoteles
19:37	Eudoxus
19:38	Dionysius
19:39	Menelaus
19:42	Plinius
19:44	Endymion
19:45	Censorinus
19:48	Goclenius
19:50	Messier
19:51	Taruntius
19:51	Proclus
19:53	Langrenus

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

"Eclipses During 2025", Fred Espenak, **Observer's Handbook 2025**, Royal Astronomical Society of Canada