

Circumstances for Gainesville, Florida

3. TOTAL LUNAR ECLIPSE OF 2015 APRIL 4

Visibility: Only partially visible from this location

Partial eclipse begins about hour before sunrise

Totality begins after sunrise and then lasts only about 5 minutes!

Umbral Magnitude	1.0008
Penumbral Magnitude	2.0792
Duration of Total Phase	0h05m
Duration of Umbral Eclipse	3h29m
Duration of Penumbral Eclipse	5h58m

Event	Date	Time (EDT)	Altitude†	Azimuth†
1. Penumbral Eclipse Starts	2015 Apr 04 (Sat)	5:01 AM	28°	245°
Start of Astronomical Twilight*	"	5:55 AM	—	—
2. Partial Eclipse Begins	"	6:16 AM	13°	256°
Start of Nautical Twilight*	"	6:24 AM	—	—
Start of Civil Twilight*	"	6:52 AM	—	—
Sun Rises*	"	7:16 AM	—	96°
Moon Sets*	"	7:20 AM	—	264°
3. Total Eclipses Begins	"	7:58 AM	-9°	—
4. GREATEST ECLIPSE	"	8:00 AM	-9°	—
5. Total Eclipses Ends	"	8:03 AM	-10°	—
6. Partial Eclipse Ends	"	9:45 AM	-31°	—
7. Penumbral Eclipse Ends	"	10:59 AM	-46°	—

*Times for Gainesville, FL. Values may differ by several minutes for other Florida locations.

†Altitude & azimuth for Gainesville, FL. Values may differ by several degrees for other Florida locations.

