Circumstances for Gainesville, Florida

2. TOTAL LUNAR ECLIPSE OF 2014 OCTOBER 8

Visibility: Only partially visible from this location Totality starts about hour before sunrise Mid-eclipse about 30 min. before sunrise

Umbral Magnitude	1.1659
Penumbral Magnitude	2.1456
Duration of Total Phase	0h59m
Duration of Umbral Eclipse	3h19m
Duration of Penumbral Eclipse	5h18m

Event	Date	Time (EDT)	Altitude†	Azimuth†
1. Penumbral Eclipse Starts	2014 Oct 08 (Wed)	4:16 AM	40°	251°
2. Partial Eclipse Begins	П	5:15 AM	28°	260°
Start of Astronomical Twilight*	п	6:08 AM	_	
3. Total Eclipes Begins	П	6:25 AM	13°	269°
Start of Nautical Twilight*	п	6:35 AM	_	_
4. MID-ECLIPSE	П	6:55 AM	7°	273°
Start of Civil Twilight*	П	7:03 AM	_	_
5. Total Eclipes Ends	п	7:24 AM	1°	276°
Sun Rises*	п	7:27 AM	_	96°
Moon Sets*	П	7:32 AM	_	277°
6. Partial Eclipse Ends	п	8:34 AM	-13°	_
7. Penumbral Eclipse Ends	п	9:34 AM	-25°	_

^{*}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.

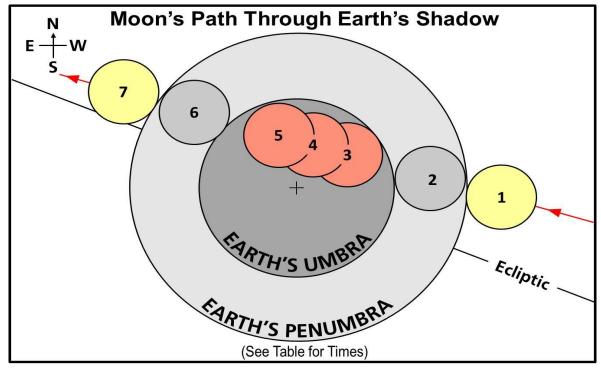


Chart and Diagram by HL Cohen From Eclipse Predictons/Map by Fred Espenak (NASA's GSFC, http://eclipse.gsfc.nasa.gov)...