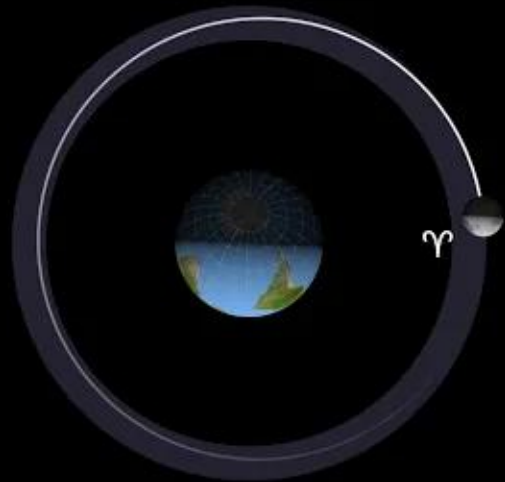


Moon Phases 2019

Including Libration and Position Angle

South Up Edition



W. Bond
Barrow
Goldschmidt
Giese



Time	24 Jun 2019 14:00 UT
Phase	58.0% (21d 03h 58m)
Diameter	1776.1 arcseconds
Distance	403538 km (31.67 Earths)
Position	23h 43m 37s, 07° 01' 32" S
Subsolar	0.405°S 83.368°W
Sub-Earth	6.249°N 2.656°W
Pos. Angle	335.880°