

2016JO38

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OBSERVATION PREDICTION

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Astrometric Observation Prediction

For 2016/04/27 00:54:00 (UTC); 57505.03750(MJD)

Observatory code = 0807

RA = 14:44:15.848 (HH:MM:SS); 221.06603 (deg)

DEC = -20 04 16.78 (deg min sec); -20.07133 (deg)

RA*cos(DEC)/DEC Apparent motion = -0.924 -0.092 (arcsec/min)

Sun distance = 1.3253 (au)

Earth distance = 0.3215 (au)

Sun elevation above horizon = -35.56 (deg)

Solar elongation = 171.25 (deg) Lunar elongation = 47.17 (deg)

Galactic latitude = 35.46 (deg) Galactic longitude = 335.96 (deg)

Apparent magnitude = 23.48

Phase angle = 6.63 (deg)

Altitude = 32.65 (deg) Airmass = 1.847

Size and orientation of 1-sigma uncertainty ellipse

Short axis : Size = 13.5667 (arcsec); Direction = -0.04610 0.99894

Long axis : Size = 1289.55 (arcsec); Direction = 0.99894 0.04610

The **confidence boundary** shown below has been computed using the **linear** theory.

The line segment extending from the center to the edge of the plot represents the direction of apparent motion.

