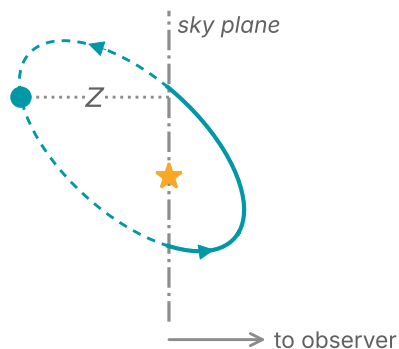


behind the sky plane

side view
from the east

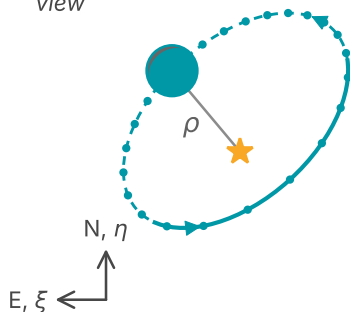


behind: $Z < 0$

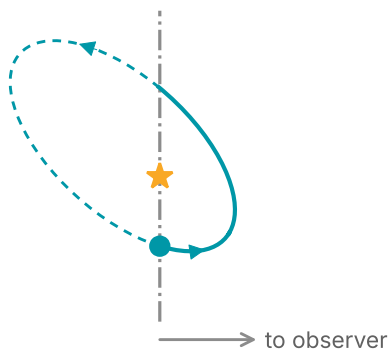
$\alpha = 35 \text{ deg}$

Φ (Lambert phase) = 0.84

observer's
view



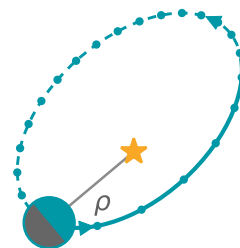
on the sky plane (ascending node)



on the sky plane: $Z = 0$

$\alpha = 90 \text{ deg}$

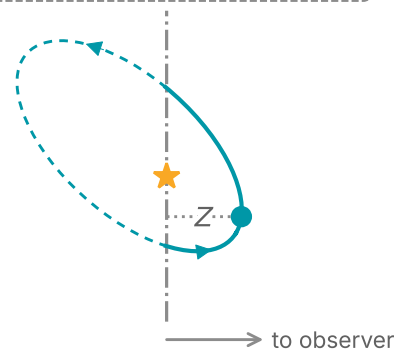
$\Phi = 0.32$



dots:
24 equal time steps per period

in front of the sky plane

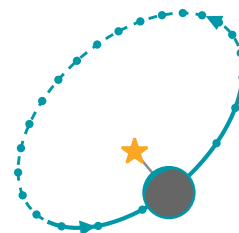
proposed observer profile (pending)
orbit to scale



in front: $Z > 0$

$\alpha = 145 \text{ deg}$

$\Phi = 0.02$



planet disk enlarged;
colored = lit, gray = unlit