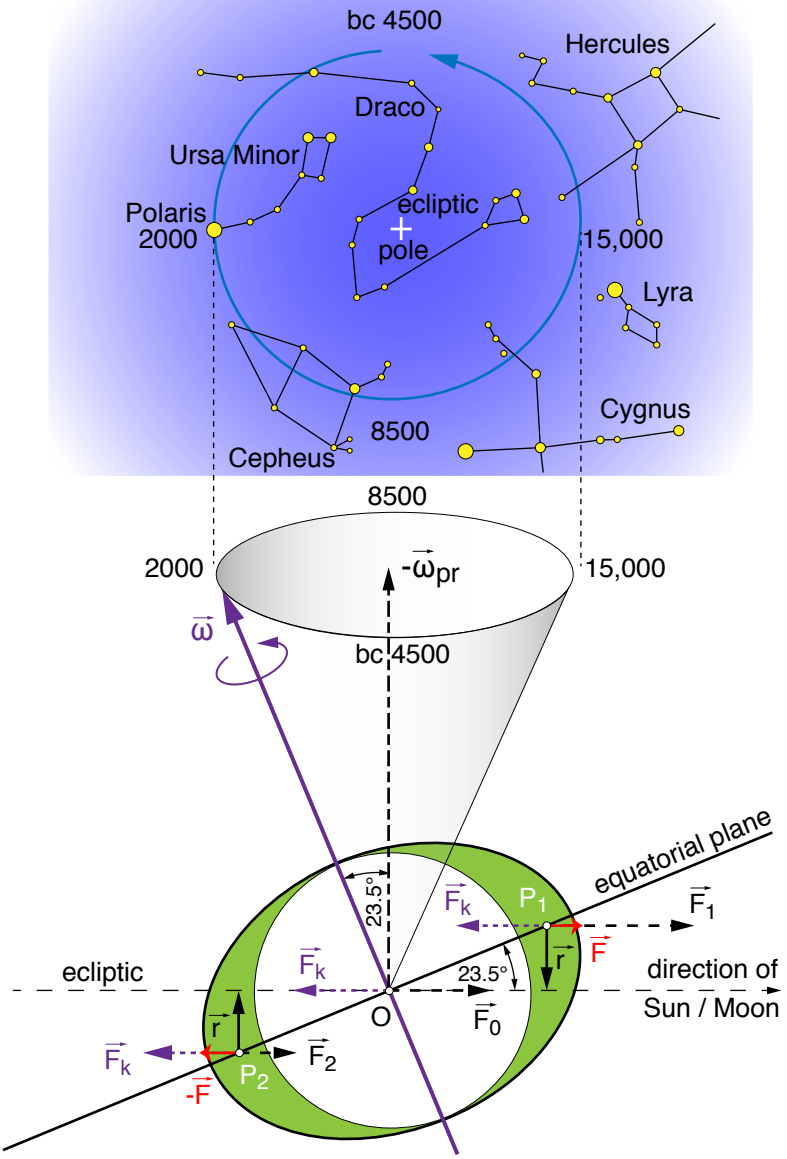
bc 4500
Hercules
Draco
Ursa Minor
Polaris
2000
ecliptic
pole
15,000
Lyra
Cygnus
8500
Cepheus
8500
2000
15,000
$-\vec{\omega}_{pr}$
$\vec{\omega}$
bc 4500
equatorial plane
23.5°
$\vec{F}_k$
P_1
$\vec{F}_1$
$\vec{F}$
$\vec{r}$
ecliptic
$\vec{F}_k$
23.5°
direction of
Sun / Moon
O
$\vec{F}_0$
$\vec{r}$
$\vec{F}_k$
P_2
$\vec{F}_2$
$-\vec{F}$