1:	procedure EphemerisPosition $(x_s, y_s, z_s, E_{para})$	$\triangleright E_{para}$ 星历参数
2:	$a \leftarrow \left(E_{para}.\sqrt{a}\right)^2$	
3:	$n \leftarrow \sqrt{\frac{\mu}{a^3}} + E_{para}.\Delta n$	▷ μ 地球引力常数
4:	$t_k \leftarrow t - E_{para}.t_{0e}$	▷ t 为待计算时刻
5:	$M \leftarrow E_{para}.M_0 + n \ t_k$	▷ 平近点角
6:	sovling $E - e \sin E = M$	▷ <i>E</i> 偏近点角
7:	$\sin \nu \leftarrow \frac{\sqrt{1 - E_{para} \cdot e^2} \sin E}{1 - E_{para} \cdot e \cos E}$	<b>ν</b> 真近点角
8:	$\cos \nu \leftarrow \frac{\cos E - E_{para} \cdot e}{1 - E_{para} \cdot e \cos E}$	
9:	$\varphi \leftarrow \nu + E_{para}.\omega$	▷ φ 维度
10:	$\delta \varphi \leftarrow E_{para}.C_{us}\sin(2\varphi) + E_{para}.C_{uc}\cos(2\varphi)$	$ ho \delta \varphi$ 维度校正值
11:	$\delta r \leftarrow E_{para}.C_{rs}\sin(2\varphi) + E_{para}.C_{rc}\cos(2\varphi)$	$\triangleright \delta r$ 半径校正值
12:	$\delta i \leftarrow E_{para}.C_{is}\sin\left(2\varphi\right) + E_{para}.C_{ic}\cos\left(2\varphi\right)$	▷ δi 倾角校正值
13:	$u \leftarrow \varphi + \delta \varphi$	▷ u 经校正的维度值
14:	$r \leftarrow a \left(1 - E_{para}.e\cos E\right) + \delta r$	▷ r 经校正的半径值
15:	$i \leftarrow E_{para}.i_0 + E_{para}.\frac{\mathrm{d}i}{\mathrm{d}t}t_k + \delta i$	▷ <i>i</i> 经校正的倾角值
16:	$\Omega \leftarrow E_{para}.\Omega_0 + \left(E_{para}.\frac{\mathrm{d}\Omega}{\mathrm{d}t} - \omega_e\right)t_k - \omega_e E_{para}.t_{0e} >$	$\Omega$ 经校正的升交点经度, $\omega_e$ 地
	球自转角度	
17:	$x_p \leftarrow r \cos u$	$\triangleright x_p$ 轨道面 $x$ 值
18:	$y_p \leftarrow r \sin u$	$\triangleright y_p$ 轨道面 $y$ 值
19:	$x_s \leftarrow x_p \cos \Omega - y_p \cos i \sin \Omega$	
20:	$y_s \leftarrow x_p \sin \Omega + y_p \cos i \cos \Omega$	
21:	$z_s \leftarrow y_p \sin i$	
22:	end procedure	