

$$k_1 = f(t,y)$$

$$k_2 = f(t+\frac{h}{2},y+k_1\frac{h}{2})$$

$$k_3 = f(t+\frac{h}{2},y+k_2\frac{h}{2})$$

$$k_4 = f(t+h,y+k_3h)$$

$$k_{wmean} = \frac{1}{6}(k_1+2k_2+2k_3+k4)$$

$$v_{n+1} = v_n + hk_{wmean}$$

$$\vec{r}_{sun2sc}$$

$$\vec{r}_{sun2jup}$$

$$\vec{r}_{jup2sc}$$

$$\vec{r}_{jup2sc} = \vec{r}_{sun2sc} - \vec{r}_{sun2jup}$$

$$\vec{r}_{sun2sc} = \vec{r}_{sun2jup} + \vec{r}_{jup2sc}$$