ERRATA

M.J.H. Walker et al.: 'A Set of Modified Equinoctial Orbit Elements'
Celest. Mech. 36 (1985), pp. 409-419.

p. 409   Equations (1)
         Second equation should read:

$$\frac{de}{dt} = \frac{-a(1 - e^2)}{\mu e}\frac{\partial \tilde{R}}{\partial \tau} - \frac{1}{e}\sqrt{\frac{1 - e^2}{\mu a}}\frac{\partial \tilde{R}}{\partial \omega}$$

         Sixth equation was omitted:

$$\frac{d\tau}{dt} = \frac{2a^2}{\mu}\frac{\partial \tilde{R}}{\partial a} + \frac{a(1 - e^2)}{\mu e}\frac{\partial \tilde{R}}{\partial e}$$

p. 411   Equation (5) should read:

$$\frac{\partial \tilde{R}}{\partial \alpha_j}\frac{\partial \alpha_j}{\partial \dot{x}_i} = 0$$

p. 412   Equations (7) should read:

$$\frac{dp}{dt} = 2\sqrt{\frac{p}{\mu}}\frac{\partial \tilde{R}}{\partial \omega}$$

$$\frac{df}{dt} = \frac{-pf}{\mu(f^2+g^2)}\frac{\partial \tilde{R}}{\partial \tau} - \frac{(1-f^2-g^2)f}{(f^2+g^2)\sqrt{\mu p}}\frac{\partial \tilde{R}}{\partial \omega} - \frac{(1-f^2-g^2)g}{\sqrt{\mu p(f^2+g^2)}}\frac{\partial \tilde{R}}{\partial e} - \frac{g\tan i/2}{\sqrt{\mu p}}\frac{\partial \tilde{R}}{\partial i}$$

$$\frac{dg}{dt} = \frac{-pg}{\mu(f^2+g^2)}\frac{\partial \tilde{R}}{\partial \tau} - \frac{(1-f^2-g^2)g}{(f^2+g^2)\sqrt{\mu p}}\frac{\partial \tilde{R}}{\partial \omega} + \frac{(1-f^2-g^2)f}{\sqrt{\mu p(f^2+g^2)}}\frac{\partial \tilde{R}}{\partial e} + \frac{f\tan i/2}{\sqrt{\mu p}}\frac{\partial \tilde{R}}{\partial i}$$

$$\frac{dh}{dt} = \ldots$$

$$\frac{dk}{dt} = \ldots$$

$$\frac{dL}{dt} = \ldots$$

p. 314   Equations (9)
         First equation should read:

$$\frac{dp}{dt} = \frac{2pC}{w}\sqrt{\frac{p}{\mu}}$$

Third equation should read:

$$\frac{dg}{dt} = \sqrt{\frac{p}{\mu}}\left\{- S \cos L + \frac{[(w+1)\ \sin L + g]C}{w} + \frac{f(h\ \sin L - k\ \cos L)N}{w}\right\}$$

p. 414   Equations (11)
         Second equation was omitted:

$$\frac{\partial \tilde{R}}{df} = \frac{-\ \mu\ \cos L}{wr} \sum_{n=2}^{\infty} (n+1)J_n\left[\frac{R_e}{r}\right]^n P_n(\sin \phi)$$

p. 417   Appendix
         Equations should read:

$$\left[\frac{\partial R}{\partial x_i}\right] = MF$$

$$X = [x \quad \dot{x}]^T$$

p. 418 $\displaystyle \varsigma^{-1}\left[\frac{\partial \tilde{R}}{\partial \alpha_i}\right] = \left[\begin{array}{c} F \\ 0 \end{array}\right]$