

CORRECTIONS TO THE
EXPLANATORY SUPPLEMENT TO THE ASTRONOMICAL ALMANAC

p 91 Add Reference:

McCarthy, D.D. and Babcock, A (1986) "The length of day since 1656," Physics of the Earth and Planetary Interiors, 44 281-292.

p 93 Add Reference:

Stephenson, F.R. and Morrison, L.V. (1984) "Long-term changes in the rotation of the Earth; 700 BC to AD 1900," Phil. Trans. R. Soc, London A313, 47-70.

p 114 For $\Omega=135$ read $\Omega=125$.

p. 151 - 3.253 -
1976 - 1980

p 141 Line 14 for $^{\circ}\text{km}^{-1}$ read $^{\circ}\text{Km}^{-1}$.

p 142 Equation 3.281-4 expression for C_5 . For M_d/M_w read M_w/M_d .

P 161 Equation 3.351-1 For $(aC+h) \sin \phi \sin \lambda$ read $(aC+h) \cos \phi \sin \lambda$.

p 176 Line -8 for $k= 86400 \times 36524.2198782 \times 1.49597870 \times 10^{-8}$ read $k=86400 \times 36524.2198782 / 1.49597870 \times 10^8$.

p 186 Equation (3.592-3) For $\dot{r} = \dot{s}_1 + A - (s \cdot \dot{A})s$ read $\dot{r} = \dot{s}_1 + \dot{A} - (s \cdot \dot{A})s$.

p 206 Equation (4.22-7) delete r .

p 206 Equation (4.22-10) For $\tan^{-1}y/z$ read $\tan^{-1}y/x$.

p 254 line -14 for 4263.8cm read 426 3.8cm.

p 314 Equation (5.714-1) for I' read i' , for I read i .

p 325 For Orbital Ephemerides and Rings of Satellites, read Orbital Ephemerides of Rings and Satellites.

p 337 Figure 6.16.2 for u read \mathcal{U} .

p 345 $10^7 y_1 =$ For $-2198 \sin (P_1 + P_2 - 2\pi_j - 2G)$ read $-2198 (P_1 + P_3 - 2\pi_j - 2G)$.
For $+791 \sin (L_1 - 2L_2 + P_2)$ read $+791 \sin (L_1 - 2L_2 - P_2)$.

p 348 Equation (6.31-4) For $r=R_1(-\epsilon) R_3(-\Omega) R_1(-J) R_1(-\Phi) R_3(-I)r$ read $r = R_1(-\epsilon) R_3(-\Omega) R_1(-J) R_3(-\Phi) R_1(-I)r$.

p 348 line 13 For the Earth's read Jupiter's.

- p 352 Equation (6.34-1) In each case it should be $5\mu^2$.
Summation should be $i=1$ to 9.
Following summation and M_i , expressions for x , y , and z ,
should be in brackets.
- p 352. Line -2 after where add "the perturbing bodies are the
Sun and planets,"
- p 393 Line -14 for r_d from r_{ed} read r_{ed} from r_d .
- p 394 Figure 7.12.4 Labels "Planet's equator of date" and
"Earth's equator of J2000.0 are reversed.
- p 400. Equation (7.3-4) for $\sin HP = |r_m|/R_e$ read $\sin HP = R_e/|r_m|$.
- p 507 Line -12 For AGK3 Zweiler read AGK3 Dritter.
- p 548 Equation (11.23-1) for $p_1 = (f_p - f_o) \delta_{1/2}$ read $p_1 = (f_p - f_o) / \delta_{1/2}$.
- p 548 Equation (11.23-2) for $p = p_1 - B_2 (\delta_0^2 + \delta_1^2) \delta_{1/2}$ read
 $p = p_1 - B_2 (\delta_0^2 + \delta_1^2) / \delta_{1/2}$.
- p 552 Equation (11.41-1) For $x' = y$ read $x' = x$.
- p 589 Line 14 For Day 5 read Day 6.
- p 609 Line -4 For American read Astronomical.
- p 610 Line 23 For American read Astronomical.
- p 697 No 24 J_3 entries for Jupiter and Saturn should be J_4 .
- p 725 Lines 14 and 15 for $\Delta UT1$ read $DUT1$.
- p 748 Obliquity of the ecliptic Add p 114.

PKS
25 Feb 74